CS-707D

SERVICE MANUAL

PARTS LIST

MODEL CS-707D

AKAI

AKAI CASSETTE DECK

MODEL CS-707D

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SECTION 1

SERVICE MANUAL

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For basic adjustments, measuring methods, and operating principles, refer to GENERAL OPERATING PRINCIPLES AND ADJUSTMENTS.

I. TECHNICAL DATA

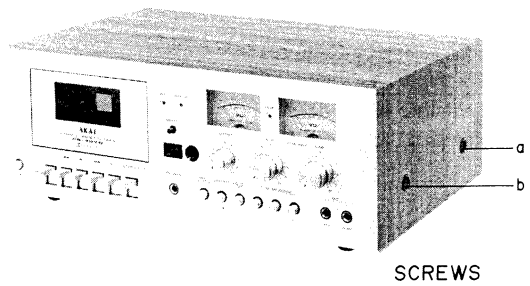
TRACK SYSTEM	4 track 2 channel stereo system
TAPE	Philips type cassette tape
TAPE SPEED	1-7/8 ips
WOW AND FLUTTER	Less than 0.08% WRMS (NAB) Less than 0.24% (DIN 45507)
FREQUENCY RESPONSE	35 Hz to 14,000 Hz (±3 dB) using LN tape 35 Hz to 15,000 Hz (±3 dB) using LH tape 35 Hz to 16,000 Hz (±3 dB) using Fe-Cr tape
DISTORTION	Less than 1.5% (1,000 Hz "0" VU)
SIGNAL TO NOISE RATIO	Better than 50 dB (measured via tape with peak recording level of +3 VU) Dolby Switch ON: Improves up to 10 dB above 5 kHz
ERASE RATIO	Better than 70 dB
BIAS FREQUENCY	85 kHz
HEADS	(2): One Recording/Playback Head, One Erase Head
MOTOR	(1): Electronically speed controlled DC motor
FAST FORWARD AND REWIND TIME	80 sec using a C-60 cassette tape
OUTPUT JACKS	Line (2): 410 mV ("0" VU), Required load impedance: more than 20 k ohms Phone (1): 50 mV/8 ohms
INPUT JACKS	Microphone (2): 0.3 mV, Required microphone impedance: 600 ohms Line (2): 70 mV/100 k ohms
DIN JACK	Input 0.3 mV/output 410 mV
SEMI-CONDUCTORS	Transistors 24, Diodes 25, ICs 2
POWER REQUIREMENTS	CSA, UL and LA models: 120V, 60 Hz only CEE models: 220V 50 Hz only Other models: 110/120/220/240V, 50/60 Hz (Switchable)
DIMENSIONS	440(W) x 165(H) x 304(D)mm (17.3" x 6.4" x 12.0")
WEIGHT	7.0 kg (15.4 lbs)

NOTES: 1. **For improvement purposes, specifications and design are subject to change without notice.**
2. **Noise reduction circuit made under license from Dolby Laboratories Inc. The word 'DOLBY' and the Double-D symbol are trademarks of Dolby Laboratories Inc.**

II. DISMANTLING OF UNIT

In case of trouble, etc. necessitating disassembly, please disassemble in the order shown in photographs. Reassemble in reverse order.

1



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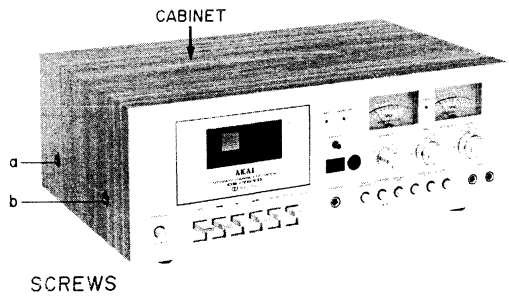

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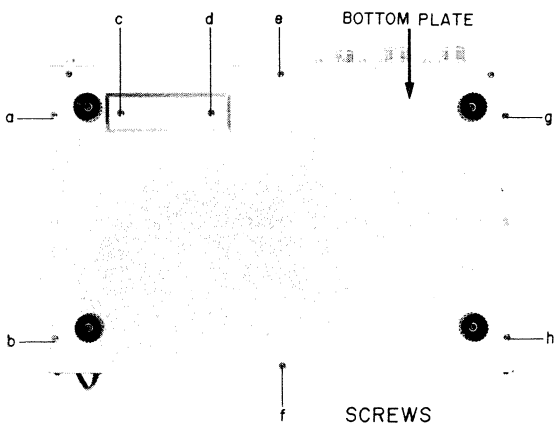

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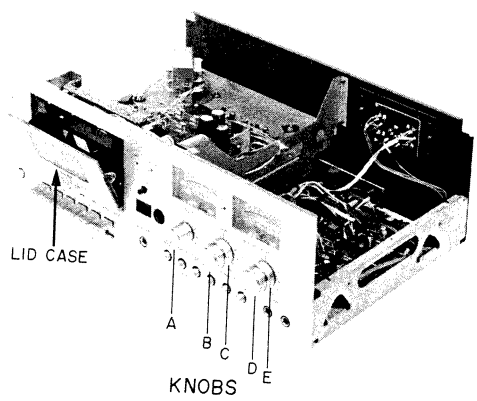

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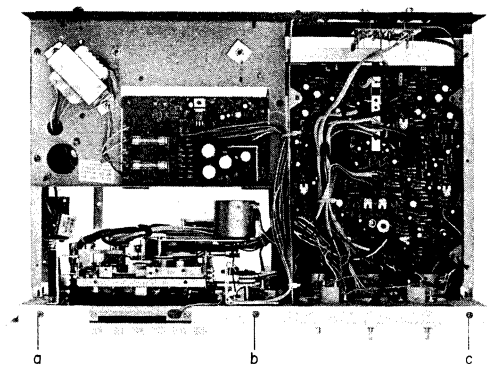

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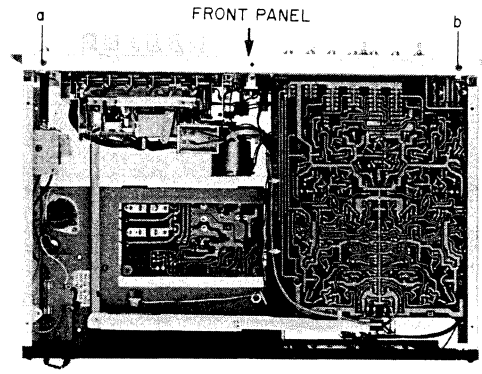

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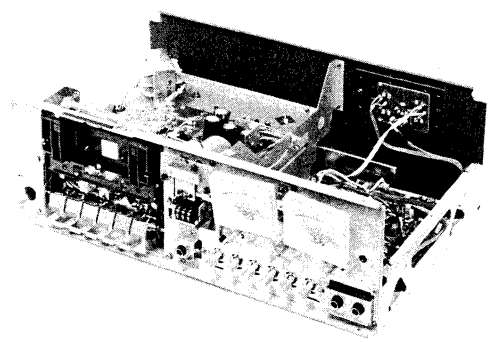

III. PRINCIPAL PARTS LOCATION

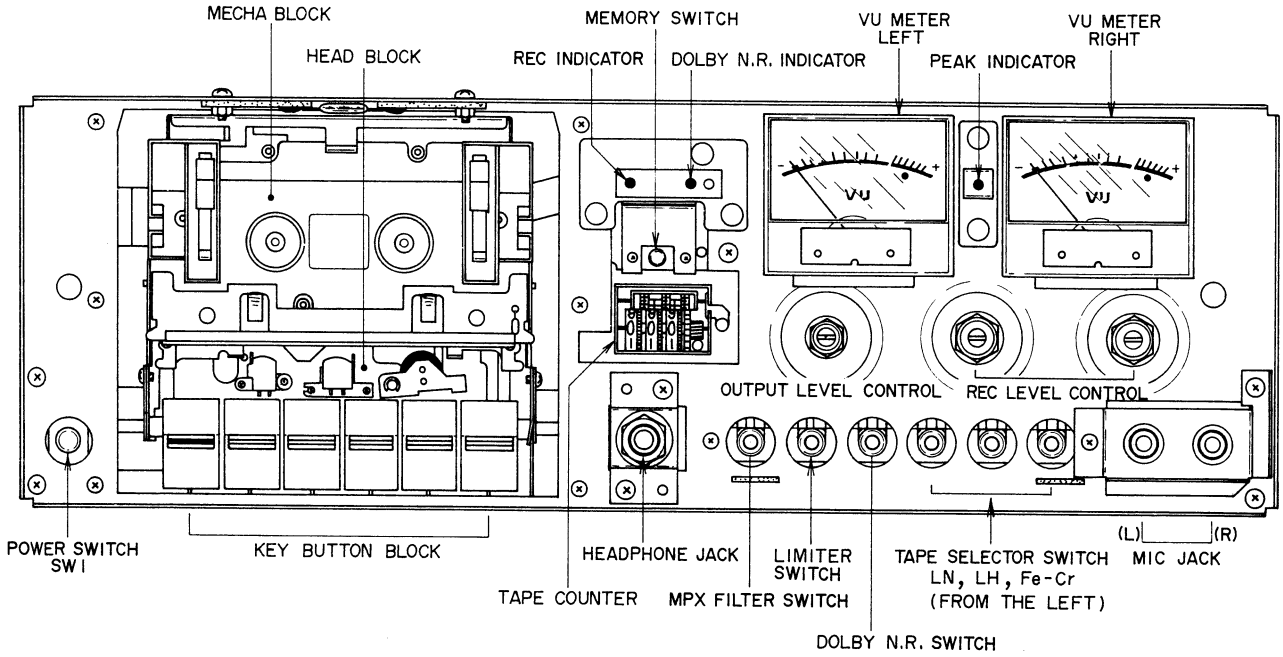

Fig. 1 Front View

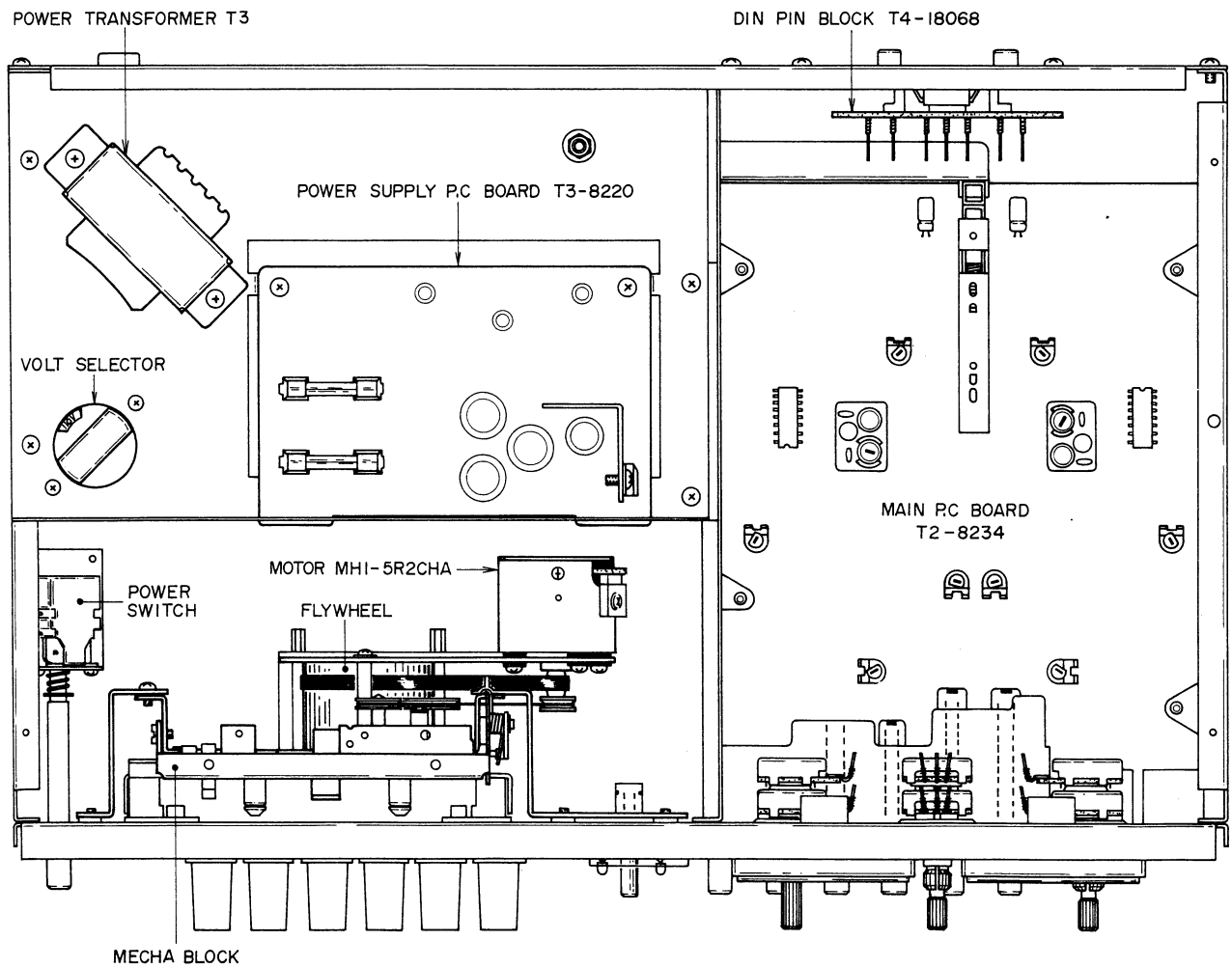

Fig. 2 Top View

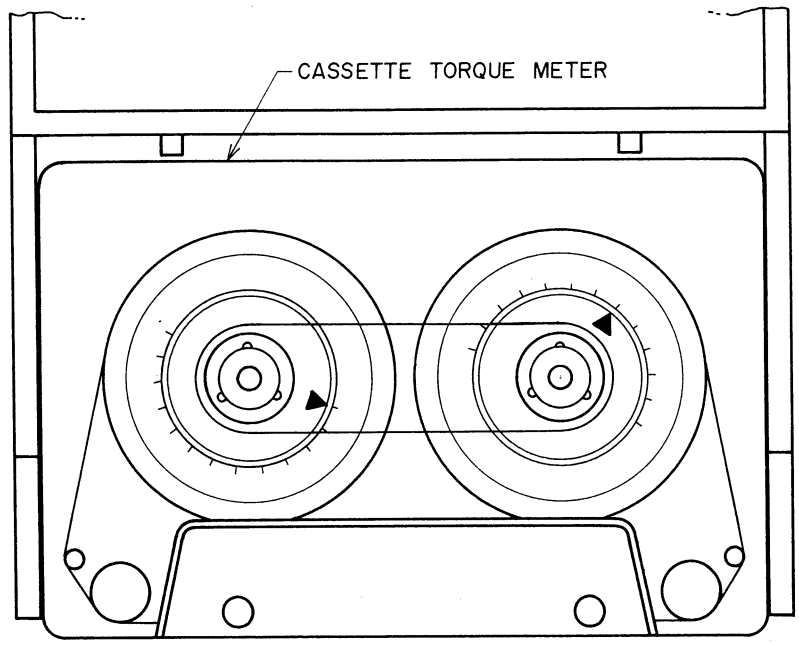

Fig. 3

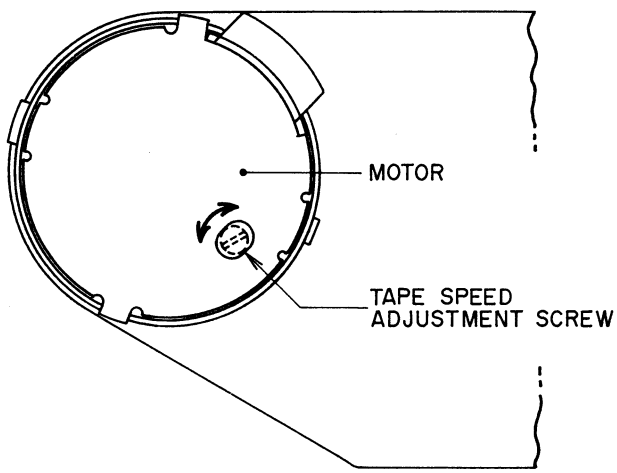

Fig. 4 Tape Speed Adjustment

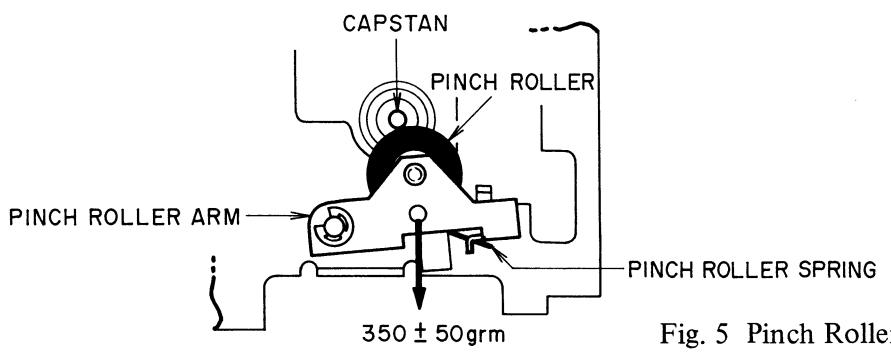

Fig. 5 Pinch Roller Pressure Measurement

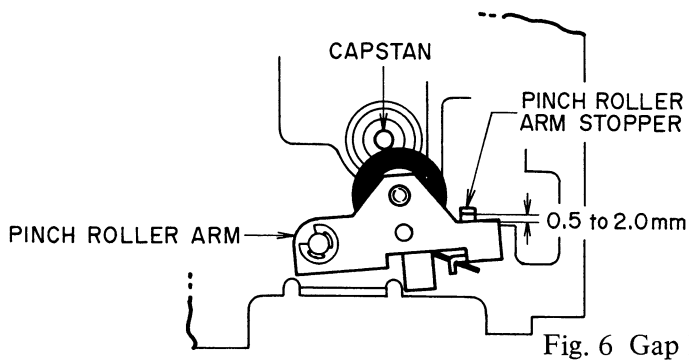

Fig. 6 Gap Between Pinch Roller Arm and Stopper

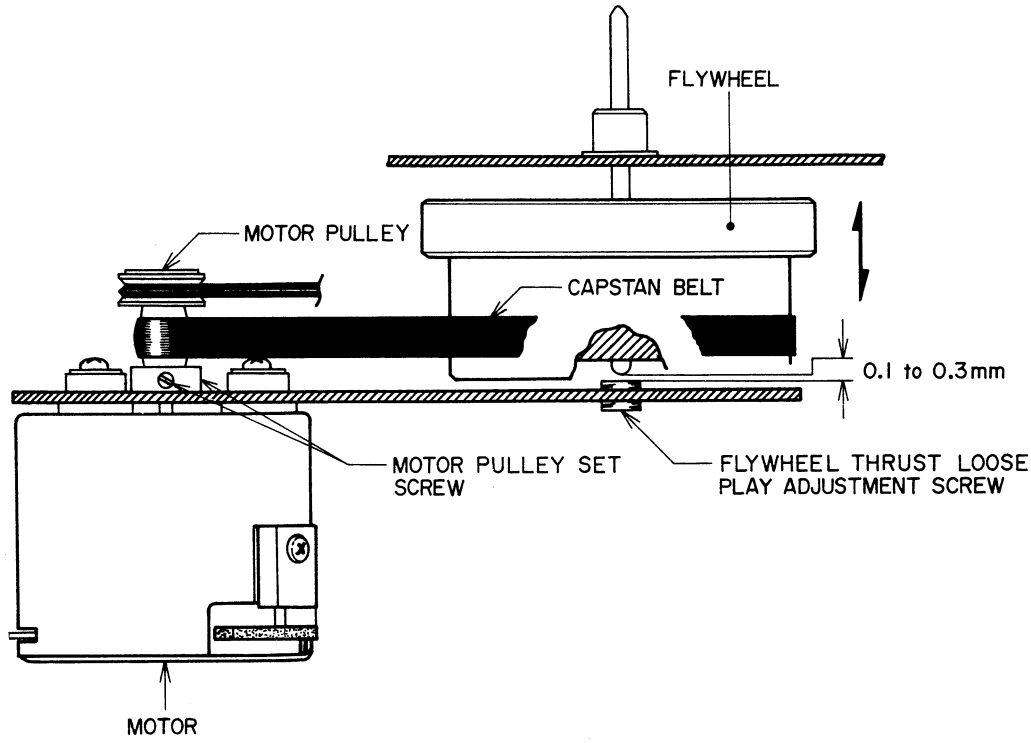

Fig. 7

1. TAKE-UP TORQUE AT VARIOUS MODES AND TORQUE MEASURING METHOD (Refer to Fig. 3)

As shown in Fig. 3, set a cassette torque meter on cassette base, and take a reading of the indication at each respective mode.

Playback mode	40 to 65 grm-cm
Fast Forward mode	70 to 130 grm-cm
Rewind mode	70 to 130 grm-cm

In case specified take-up torque cannot be attained,

Playback mode: replace whole tension arm block comp.

Fast Forward or Rewind mode: replace idler A comp.

2. TAPE SPEED ADJUSTMENT (Refer to Fig. 4)

Playback a 1,000 Hz pre-recorded test tape and adjust tape speed adjustment screw to obtain a tape speed of 1,000 Hz ±1%.

3. PINCH ROLLER PRESSURE MEASUREMENT (Refer to Fig. 5)

At playback mode, pull back the pinch roller with a spring gauge until the pinch roller separates from the capstan by about 1 mm to 2 mm and then gently return. Take a reading of the spring gauge indication at the moment the pinch roller touches the capstan and begins to rotate.

Specified Pinch Roller Pressure: 350 ±50 grm

In case specified pressure cannot be attained, replace the pinch roller spring.

4. ADJUSTMENT OF GAP BETWEEN THE PINCH ROLLER ARM AND STOPPER (Refer to Fig. 6)

Adjust by bending the pinch roller stopper so that a 0.5 to 2.0 mm gap is definitely obtained between the pinch roller arm and the pinch roller arm stopper when the machine is set to play mode.

5. FLYWHEEL THRUST LOOSE PLAY ADJUSTMENT (Refer to Fig. 7)

Adjust by turning flywheel thrust loose play adjustment screw to obtain a 0.1 to 0.3 mm of loose play when the flywheel is moved as indicated by the arrow mark. Paint lock the adjustment screw.

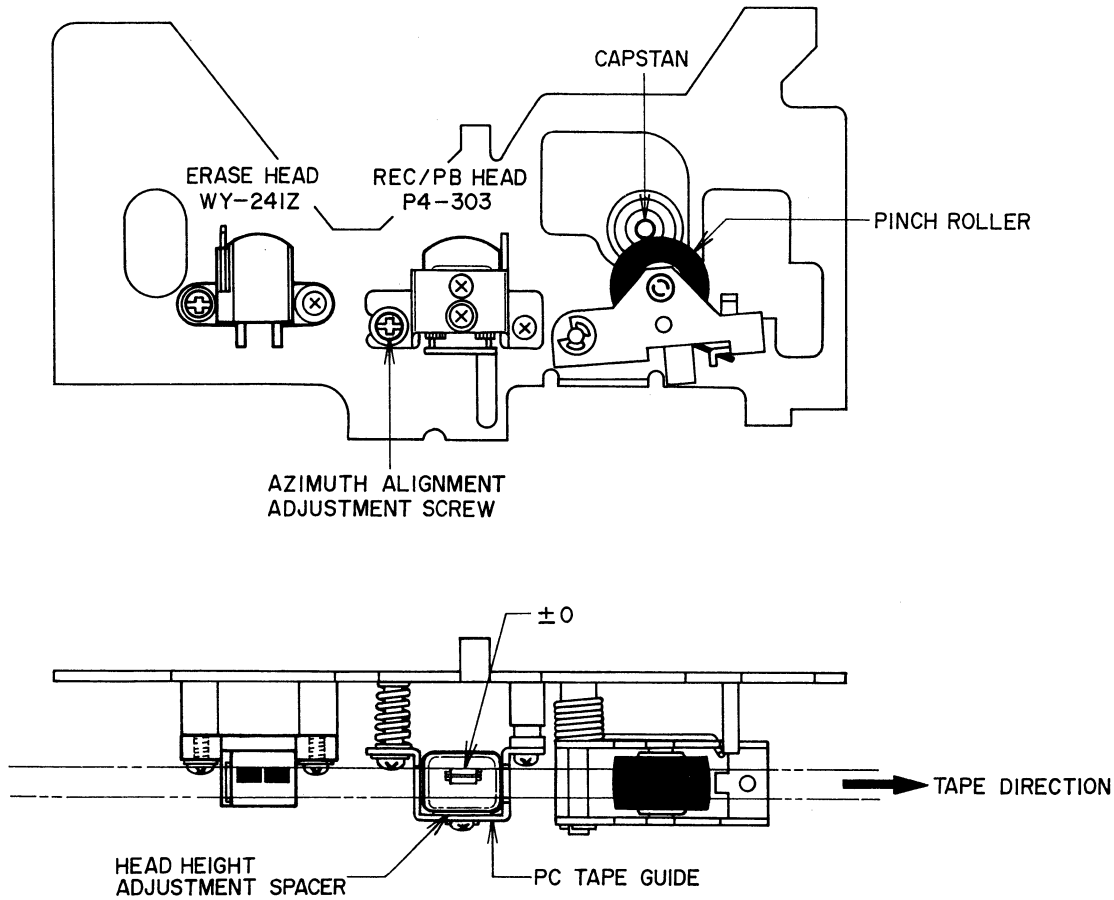
CAPSTAN
ERASE HEAD
WY-241Z
REC/PB HEAD
P4-303
PINCH ROLLER
AZIMUTH ALIGNMENT
ADJUSTMENT SCREW
±0
TAPE DIRECTION
HEAD HEIGHT
ADJUSTMENT SPACER
PC TAPE GUIDE

Fig. 8

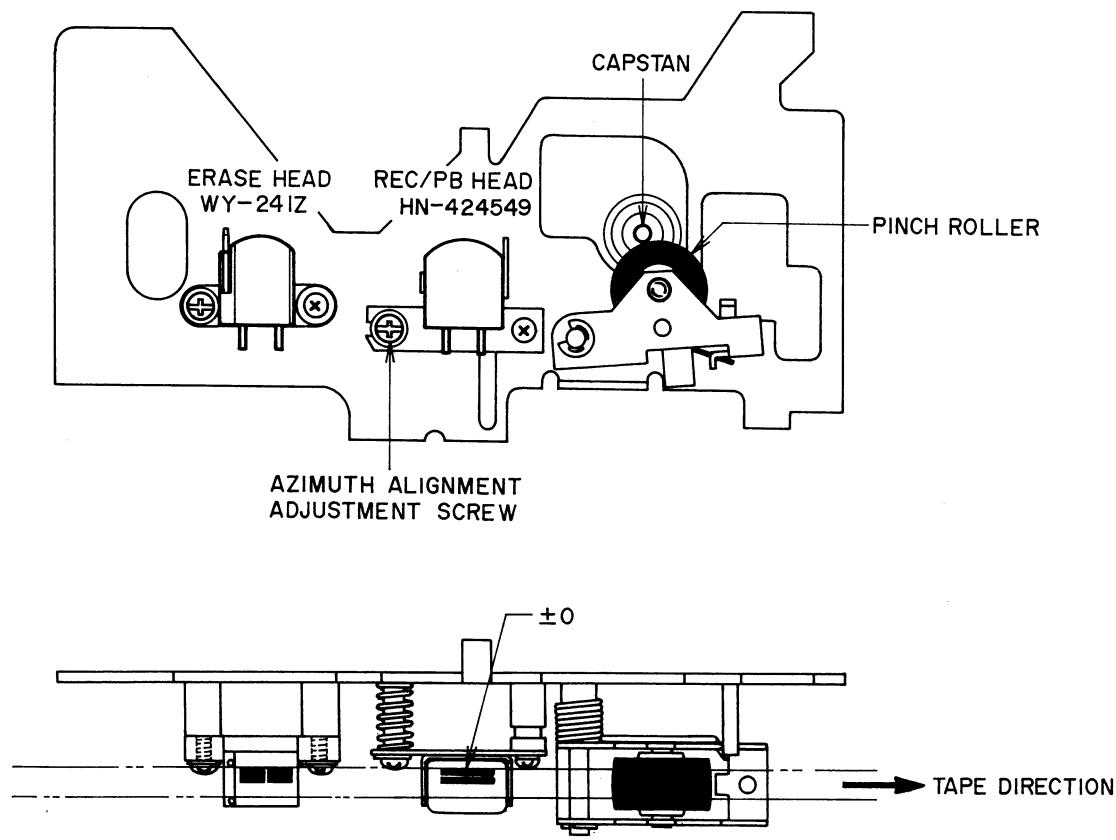
CAPSTAN
ERASE HEAD
WY-241Z
REC/PB HEAD
HN-424549
PINCH ROLLER
AZIMUTH ALIGNMENT
ADJUSTMENT SCREW
±0
TAPE DIRECTION

Fig. 9

NOTE: Two different types of REC/PB Heads (P4-303 and HN-424549) are being employed in the CS-707D. Because the installation plate of both heads differ, when replacing this head, replace with the same type head as previously used.

1. RECORDING/PLAYBACK HEAD HEIGHT ADJUSTMENT (Refer to Fig. 8)

Playback a 4 track 1,000 Hz pre-recorded test tape and adjust the number of spacers between the head and P.C tape guide so that equal maximum output level between +1 VU to 3 VU is obtained on both channels.

2. RECORDING/PLAYBACK HEAD AZIMUTH ALIGNMENT ADJUSTMENT (Refer to Figs. 8,9)

Playback a 10 kHz Azimuth Adjustment Test Tape and adjust Rec/PB Head Azimuth Adjustment Screw to obtain maximum output.

At this time connect an oscilloscope to the line output and confirm that the left and right output waveforms are in-phase.

If not in-phase, because the azimuth adjustment has not been made to optimum point, repeat adjustment.

3. HEAD ADJUSTMENT PRECAUTIONS

1) Be sure to clean the heads prior to adjustment.
2) As the use of a magnetized driver or other magnetized tools in the vicinity of the heads will cause the heads to become magnetized, use only demagnetized tools for head adjustment.

VI. AMPLIFIER ADJUSTMENT

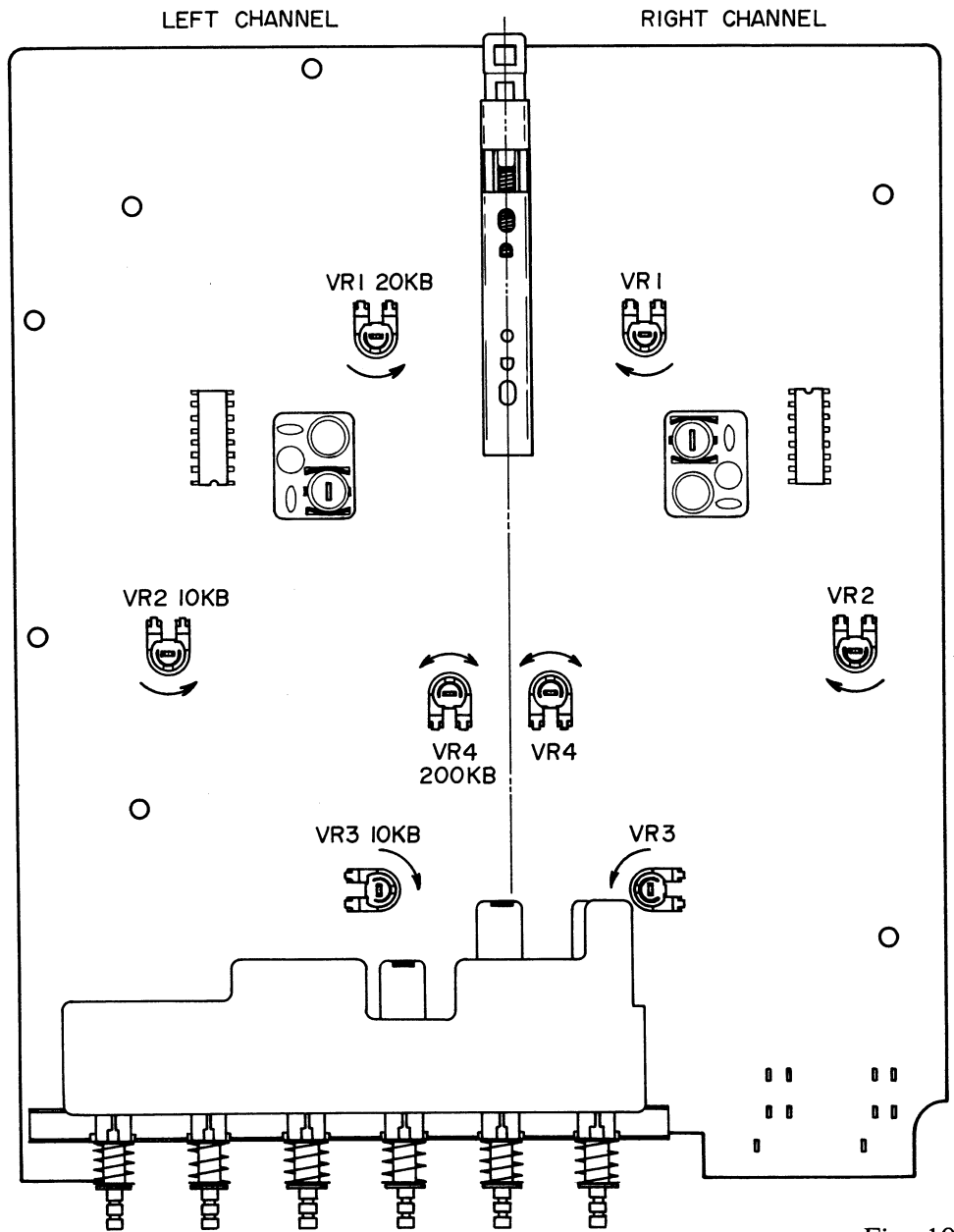

Fig. 10

NOTES:
1. Set Tape Selector to Low Noise.
2. Set Dolby N.R. Switch to OFF.
3. Set Limiter Switch to OFF.
4. After Recording Level and Frequency Response Adjustments have been made with Low Noise Tape, confirm with Low Noise High Output and Ferri-Chrome tape only.
5. Because each of these adjustments are vital to perfect Dolby N.R. circuit operation, be sure that they are carried out with as little error as possible.
6. Use the following cassette measuring tape.
   Low Noise Tape: FUJI FL C-60, C-90
   L.H Tape: MAXELL UD C-60, C-90
   Fe-Cr Tape: SONY DUAD C-60, C-90

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The word 'DOLBY' and the Double-D symbol are trademarks of Dolby Laboratories Inc.

Step	Adjustment Item	Test Tape, Supply Signal	Mode	Adjustment Point	Result	Remarks
1	Playback Level	333 Hz, 0 VU test tape	Play	VR1, 20 kB	−5.5±0.5 dBm (410 mV)	
2	VU Meter Sensitivity	333 Hz, 0 VU test tape	Play	VR2, 10 kB	0 VU indication	
3	Recording Level	LN Blank Tape 1,000 Hz 0 VU recording	Rec/ Play	VR3, 10 kB	−5.5 ±0.5 dBm (410 mV)	Refer to Note 6)
4	Frequency Response	LN Blank Tape 1,000 Hz, 10,000 Hz −20 VU recording	Rec/ Play	VR4, 200 kB	1,000 Hz to 10,000 Hz flat response	Refer to Note 6)

Chart–1

VII. DC RESISTANCE OF VARIOUS COILS

Part	Designation	DC Resistance
Recording/Playback Head	HN-424549	160 ohms
Recording/Playback Head	P4–303	110 ohms
Erase Head	WY–241Z	5.5 ohms
Solenoid	P–14R	5.0 ohms

Chart–2

VIII. CLASSIFICATION OF VARIOUS P.C BOARDS

1. RELATION OF P.C BOARD TITLE AND NUMBER

P.C Board	Number of P.C Board
Main P.C Board	T2–8234
Switch P.C Board	T4–18059
Power Supply P.C Board	T3–8220
Din Pin P.C Board	T4–18068
Mute P.C Board	T4–8938
Lamp P.C Board	T4–8943
LED P.C Board	T4–18074
Peak P.C Board	T4–8956

Chart–3

CS-707D

DIN/PIN P.C BOARD T4-18068

MUTE P.C BOARD T4-8938

MAIN P.C BOARD T2-8234

LED P.C BOARD T4-18074

CASSEETE LAMP P.C BOARD T4-8948

PEAK P.C BOARD T4-8956

POWER SUPPLY P.C BOARD T3-8220

Q1 to Q3 2SC1571(F)(G) or 2SC1327(S)(T)

Q4 to Q8, Q301, Q302 2SC536 or 2SC828(R)(S)

D1 to D7 1S188AM

IC1 NE5458

Q5 2SA886(Q)(R) or 2SA899(Q)(R)

D1 to D8 1N4002

D10 TD960016-1

Q2 2SA564(R) or 2SA639(E)

Q3, Q4 2SC828(R) or 2SC536(F)

MOTOR MH1-5R2CHA

T4 PT-269BS

T5 PT-269SK

T2 PT-269UL

T1 PT-269JA

T3 PT-269EX

BS

SK, SEV, VDE

UL, CSA

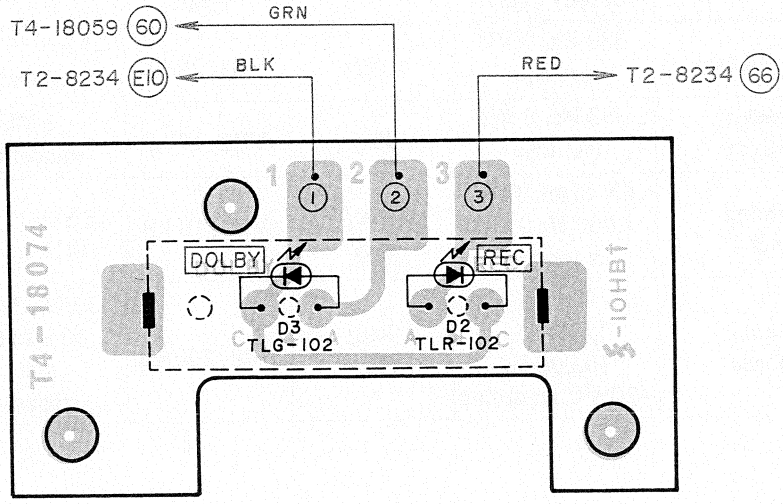
JA

NOTES
1. UNLESS OTHERWISE SPECIFIED ALL RESISTORS IN OHMS 1/4W(J) ALL CAPACITORS IN μF (J) P=μμF
2. F.S= FAIL SAFE RESISTORS
3. L.N= LOW LEAKAGE CAPACITORS
4. REC LEVEL VR1 20KA IS LOCATED ON FRONT PANEL
5. POWER TRANSFORMER BLOCK IS DIFFERENT ACCORDING TO AREA

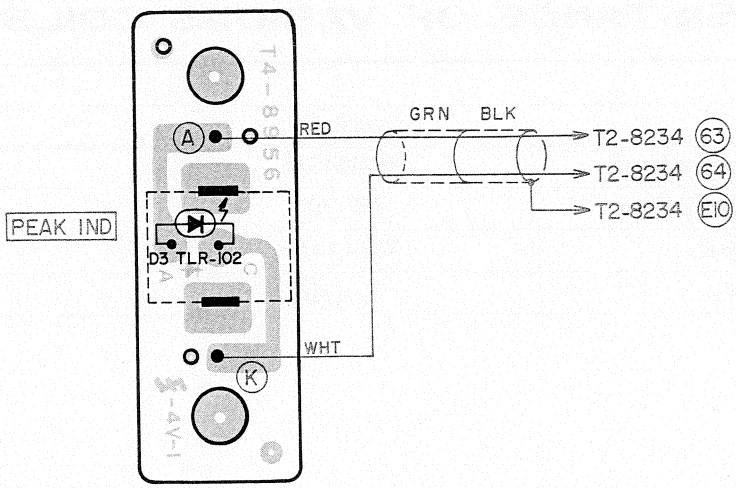
CS-707D SCHEMATIC DIAGRAM

NO. 1521634A

7) LED P.C BOARD T4–18074



8) PEAK P.C BOARD T4–8956



SECTION 2

PARTS LIST

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3. P.C BOARDS 27
   (1) MAIN P.C BOARD (T2–8234) BLOCK 27
   (2) POWER SUPPLY P.C BOARD (T3–8220) BLOCK 27
   (3) DIN, PIN P.C BOARD (T4–18068) BLOCK 27
   (4) MUTE P.C BOARD (T4–8938) BLOCK 27
   (5) LAMP P.C BOARD (T4–8943) BLOCK 27
   (6) LED P.C BOARD (T4–18074) BLOCK 27
   (7) PEAK P.C BOARD (T4–8956) BLOCK 27
   (8) SW. P.C BOARD (T4–18059) BLOCK 27
4. AMP CHASSIS BLOCK 28
5. FINAL ASSEMBLY BLOCK 30

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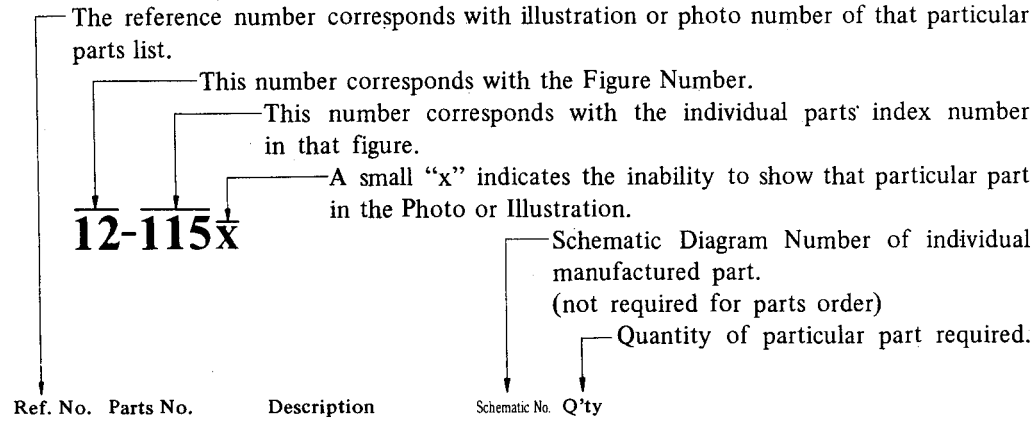
Resistor and Capacitor which is not listed in this parts list, please refer to COMMON LIST FOR SERVICE PARTS.

HOW TO USE THIS PARTS LIST

1. This parts list is compiled by various individual blocks based on assembly process.
2. When ordering parts, please describe parts number, serial number, and model number in detail.
3. How to read list.


The reference number corresponds with illustration or photo number of that particular parts list.
This number corresponds with the Figure Number.
This number corresponds with the individual parts' index number in that figure.
A small "x" indicates the inability to show that particular part in the Photo or Illustration.
12-115x
Schematic Diagram Number of individual manufactured part.
(not required for parts order)
Quantity of particular part required.

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		FLYWHEEL BLOCK #13		
12-115x	800425	Flywheel Block Assy. Comp.	RDG#13	1
12-116	244506	Flywheel Only	RD-233	1
12-117x	244754	Felt, Flywheel	RD-275	1
12-118	251324	Main Metal Case	RD-236	1
12-119	253080	Main Metal	RD-237	1

4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of components of the Schematic Diagram or Service Manual.
5. The indications of Resistors and Capacitors in the photos of P.C. Board are being eliminated.
6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts Table of P.C. Board.
7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.
   It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).
8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

CAUTION:

1. When placing an order for parts, be sure to list the parts no. model no., and description. There are instances in which if any of this information is omitted, parts cannot be shipped or the wrong parts will be delivered.
2. Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.

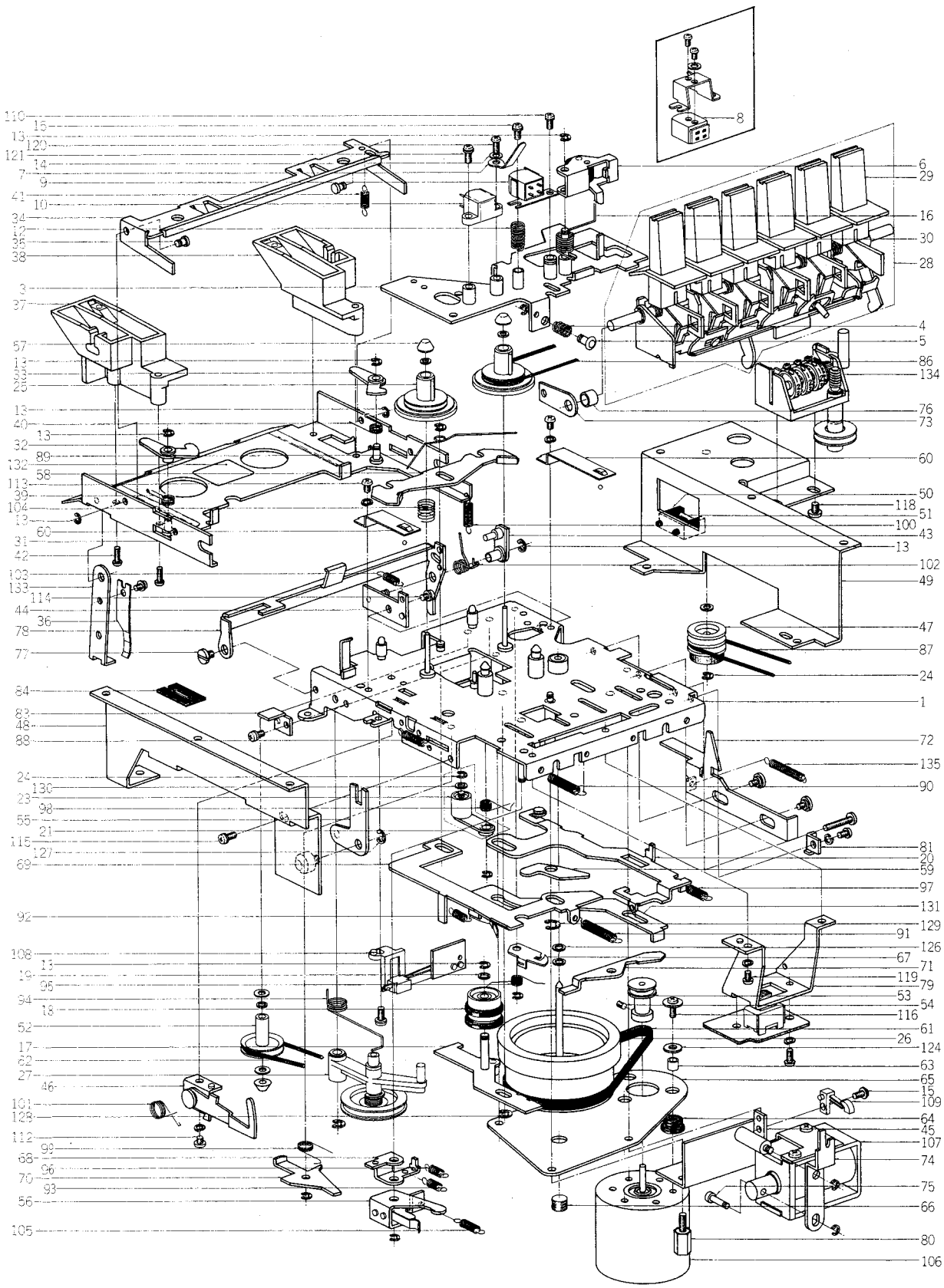
1. RECOMMENDED SPARE PARTS LIST

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

Parts No.	Description	Note
BC702775	Cabinet T2-1370	Same as CS-705D
BF701100	Flywheel with Shaft TA4-12528	Same as CS-705D
BK700301	Key Board Block Comp. TA2-1388	Same as CS-705D
BM701335	Motor Block Comp. MHI-5R2CHA T4-8918	Same as CS-705D
BR700986	Supply/Take-up Reel Table Block Comp. TA4-7102	Same as CS-705D
BT703708	Power Trans. PT-269JA T4-8968	Same as CS-705D (JPN)
BT703978	Power Trans. PT-269EX T4-8969	Same as CS-705D (U/T)
BT706487	Power Trans. PT-269UL T4-8970	Same as CS-705D (UL, CSA)
BT706937	Power Trans. PT269BS T4-8971	Same as CS-705D (BEAB)
BT707040	Power Trans. PT-269SK T4-8972	Same as CS-705D (CEE)
EL703697	Pilot Lamp 12V 50 mA T4-8946	Same as CS-705D
ES701447	Leaf Switch H-7157 T4-12059	Same as CS-705D
ES701458	Power Switch SDG-1P T4-8978	Same as CS-705D (JPN)
ES701987	Power Switch T4-8981	Same as CS-705D (CSA, UL)
ES702371	Power Switch SPG-5P T4-8980	Same as CS-705D (SEMKO)
HE700468	ERASE HEAD WY-241Z T4-7514	Same as CS-705D
HP589781	REC/PB HEAD P4-303 TA4-13687	Same as CS-705D
HP721045	REC/PB HEAD HN-424549 T4-18242	Same as CS-705D
MB701111	Capstan Belt 62.25x5x0.4 T4-11840	Same as CS-705D
MB701122	Wind Belt 1x56.7 T4-11841	Same as CS-705D
MB701370	Counter Belt A T4-13166	Same as CS-705D
MB701381	Counter Belt B T4-13167	Same as CS-705D
SK219497	Single Knob CQ-6009	
SK631067	Double Knob (Lower) MY-6207	
SK631078	Double Knob (Upper) MY-6206	
SK634410	Push Button Knob J 91-5051	
*BA720393	Main P.C Board Comp. T2-8234	
*BA720450	LED P.C Board Comp. T4-18074	
*BA720461	Power Supply P.C Board Comp. T3-8220	(U/T, JPN, KMA, CSA, UL)
*BA720472	Power Supply P.C Board Comp. T3-8220	(CEE, BEAB)
*BD723374	Lid Panel Block Comp. TA3-18340	
*BD720325	Front Panel Block Comp. TA4-1428	
*BJ720415	Jack Plate Block Comp. TA4-18067	
*BL720336	Pinch Roller Arm Block Comp. TA4-13682	
*BL720347	Tension Arm B Block Comp. TA4-13681	
*BZ720358	Idler Comp. TA4-12472	
*EM720371	VU Meter T4-18236	(JPN)
*EM720382	VU Meter T4-18079	
*EP720448	Plunger T4-8783	
*ES720437	Reed SW. T4-8351 (MAH-16)	
*EV720404	Volume T4-18077 (20 kA)	
*MC720360	Counter T4-13347	
*SK720437	Power SW. Button Block Comp. TA4-13164	

NOTE: An asterisk mark indicates parts are newly employed for model CS-707D

2 ILLUSTRATION OF MECHANISM BLOCK



2) MECHANISM BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
2-1	BZ720955	Mecha Frame Comp. CS-705D	TA2-1387	1
2-2x	BH723058	Head Base Block Comp. CS-707D	TA3-1573	1
2-3	HZ723060	Head Base Comp. CS-707D	TA3-1425	1
2-4	ZG720988	Head Base Shaft Spring CS-705D	T4-10180	1
2-5	MS720990	Head Base Shaft CS-705D	T4-10436	1
2-6	BZ721001	Pinch Roller Arm Comp. CS-705D	TA4-13682	1
2-7	MZ721012	Wire Band CS-705D	T4-6356	1
2-8	HP589781	REC/PB HEAD P4-303		1
2-9	HP721045	REC/PB HEAD (HN-424549) CS-705D	T4-18242	1
2-10	HE721056	ERASE HEAD (168-36) CS-705D	T4-8807	1
2-11x	HE700468	ERASE HEAD WY-241Z CS-705D	T4-7514	1
2-12	ZG717827	Head Adjust Spring CT-5	T4-5067	1
2-13	ZW358018	'E' Ring 2M	6-1-9	12
2-14	ZW721080	Flat Washer M2x0.4 CS-705D	Z4-5132	1
2-15	ZS721091	Screw, pan head w/washer M2x5 CS-705D	Z4-5551	2
2-16	ZG721102	Pinch Roller Spring CS-705D	T4-10359	1
2-17	BL721113	FR Lever Comp. CS-705D	TA4-7049	1
2-18	BZ721124	Idler A Comp. CS-705D	TA4-12545	1
2-19	ZW721135	Flat Washer M25x0.1 CS-705D	Z4-5137	2
2-20	BZ721146	Pause Function Lever Comp. CS-705D	TA4-12525	1
2-21	BZ721157	Idler B Comp. CS-705D	TA4-9511	1
2-22x	BL721168	Idler B Lever Comp. CS-705D	TA4-9506	1
2-23	MI721170	Idler B CS-705D	T4-9504	1
2-24	ZW356657	'E' Ring 1.5M	6-1-9	2
2-25	BR700986	Supply, Take-up Reel Table Block Comp. CS-705D	TA4-7102	2
2-26	BF701100	Flywheel w/shaft CS-705D	TA4-12528	1
2-27	BL720347	Tension Arm B Block Comp. CS-707D	TA4-13681	1
2-28	BK700301	Operation Button Block Comp.	TA2-1388	1
2-29	SB721247	Operation Button A CS-705D	T3-1530	5
2-30	SB721258	Operation Button B (REC) CS-705D	T3-1531	1
2-31	BZ721260	Cassette Holder Base Comp. CS-705D	TA3-1330	1
2-32	BL721282	Stop Lever L Comp. CS-705D	TA4-11810	1
2-33	BL721293	Stop Lever R Comp. CS-705D	TA4-11813	1
2-34	ML721304	Cassette Detector Arm CS-705D	T3-1331	1
2-35	MH721315	Cassette Detector Arm Pin CS-705D	T4-11814	2
2-36	ZG721337	Stopper Spring CS-705D	T4-13114	1
2-37	BZ721348	Cassette Guide L Comp. (Lower) CS-705D	TA4-13183	1
2-38	BZ721350	Cassette Guide R Comp. (Lower) CS-705D	TA4-13184	1
2-39	ZG721361	Stop Lever Spring L CS-705D	T4-11816	1
2-40	ZG721372	Stop Lever Spring R CS-705D	T4-11817	1
2-41	ZG721383	Cassette Detector Arm Spring CS-705D	T4-11818	1
2-42	ZS721394	Tapping Screw, pan head #2 M2x6 CS-705D	Z4-5054	4
2-43	BL721405	Limiter Lever Comp. CS-705D	TA4-11820	1
2-44	BD721416	Side Plate Comp. CS-705D	TA4-11824	1
2-45	BZ721427	Plunger Holder Comp. CS-705D	TA4-11827	1
2-46	BL721438	Play Safety Lever Comp. CS-705D	TA4-11830	1
2-47	BZ721440	Counter Idler Comp. CS-705D	TA4-13185	1
2-48	BZ721451	Mecha Installation Angle L Comp. CS-705D	TA3-1532	1
2-49	BZ721462	Mecha Installation Angle R Comp. CS-705D	TA3-1533	1
2-50	TC721473	SW. Installation Plate CS-705D	T4-11727	1
2-51	BS721484	Reed SW. (MAH-16) CS-705D	T4-8351	1
2-52	BZ721495	Idler Comp. CS-705D	TA4-12472	1
2-53	MR721506	Motor Pulley CS-705D	T4-11842	1
2-54	ZS521943	Set Screw, hexagon socket 2x3 (CUP/P.)		2
2-55	BL721517	Joint Lever Comp. CS-705D	TA4-13186	1
2-56	BL721528	Muting Lever Comp. CS-705D	TA4-13187	1
2-57	MT721530	Reel Shaft Cap CS-705D	T4-12471	3
2-58	ML721541	Brake Lever CS-705D	T4-6003	1
2-59	TC721552	Dual Lock Safety Plate CS-705D	T4-7013	1
2-60	ZG721563	Head Base Holding Spring CS-705D	T4-7016	2
2-61	MB701111	Belt (Capstan) 62.25x5x0.4 CS-705D	T4-11840	1
2-62	MB701122	Belt (Take-up) 1x56.7 CS-705D	T4-11841	1
2-63	MZ721596	Motor Installation Collar CS-705D	T4-7072	3
2-64	MB721607	Motor Installation Rubber CS-705D	T4-7840	3
2-65	MZ721618	Flywheel Set Plate CS-705D	T4-11843	1
2-66	ZS721620	Flywheel Adjust. Screw CS-705D	T4-7869	1
2-67	MZ721631	Pause Lock Plate CS-705D	T4-10218	1
2-68	ML721642	RWD Lever B CS-705D	T4-9314	1
2-69	ML721653	Brake Function Lever CS-705D	T3-702	1
2-70	ML721664	REC Lever B-5 CS-705D	T4-10453	1
2-71	ML721675	FF Lever CS-705D	T4-10586	1
2-72	ML721686	Hook Lever CS-705D	T4-11844	1
2-73	MZ721697	Support Plate CS-705D	T4-13286	2
2-74	ML721708	Shut Off Lever CS-705D	T4-11846	1
2-75	MS721710	Plunger Shaft CS-705D	T4-11847	1
2-76	TC721721	Spacer CS-705D	T4-11848	1
2-77	ZS721732	Graduated Screw M2.6 CS-705D	T4-11849	3
2-78	ML721743	Timing Lever CS-705D	T3-1334	1
2-79	TC721754	SW. Mt. Frame CS-705D	T4-13156	1
2-80	ZS721765	Screw, hexagon head M2.6 CS-705D	T4-12082	2
2-81	TC721787	Stopper Angle CS-705D	T4-12518	1
2-82x	MB721798	Rubber Cushion CS-705D	T4-12056	5
2-83	ML721800	L Angle CS-705D	T4-13669	1
2-84	TC721811	Stopper Cushion CS-705D	T4-12504	1
2-85x	TC721822	Cushion CS-705D	T4-5736	3
2-86	MB701370	Belt (Counter) CS-705D	T4-13166	1
2-87	MB701381	Belt B (Counter) CS-705D	T4-13167	1
2-88	ZG721855	REC Safety Plate Spring CS-705D	T4-7147	1
2-89	ZG721866	Brake Lever Spring CS-705D	T4-5126	1
2-90	ZG721877	Head Base Spring CS-705D	T4-7076	1
2-91	ZG721888	Brake Function Lever Spring CS-705D	T4-7077	1
2-92	ZG721890	FF Lever Spring CS-705D	T4-7079	1
2-93	ZG721901	REW Lever Spring B CS-705D	T4-10401	1
2-94	ZG721912	Idler B Lever Spring CS-705D	T4-12624	1
2-95	ZG721923	Pause Lock Plate Spring CS-705D	T4-10456	1
2-96	ZG721934	FR Lever Spring D CS-705D	T4-7846	1

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
2-97	ZG721945	Pause Function Lever Spring CS-705D	T4-10360	1
2-98	ZG721956	Idler B Lever Spring CS-705D	T4-7853	1
2-99	ZG721967	REC Lever Spring B CS-705D	T4-7082	1
2-100	ZG721978	Cassette up Spring CS-705D	T4-11855	1
2-101	ZG721980	Safety Lever Spring CS-705D	T4-11856	1
2-102	ZG722002	Limiter Lever Spring CS-705D	T4-11858	1
2-103	ZG722013	Timing Lever Spring CS-705D	T4-13320	1
2-104	ZG722024	Back Tension Spring CS-705D	T4-5733	1
2-105	ZG722035	Muting Lever Spring CS-705D	T4-13319	1
2-106	BM701335	Motor Block Comp. MHI-5R2CHA CS-705D	T4-8918	1
2-107	EP722057	Plunger P-14R CS-705D	T4-8738	1
2-108	ES701447	Leaf SW. H-7157 CS-705D	T4-12059	1
2-109	ES722070	Leaf SW. H-7160 CS-705D	T4-8765	1
2-110	ZS722081	Screw, pan head w/s. washer M2x5 CS-705D	Z4-5077	1
2-111x	ZS722092	Screw, pan head w/spring washer M2x4 CS-705D	Z4-5074	1
2-112	ZS722103	Screw, pan head M2.6x3 CS-705D	Z4-2400	1
2-113x	ZS608185	Screw, pan head 2.6x4		2
2-114	ZS722114	Screw, pan head w/spring washer M2.6x4 CS-705D	Z4-5061	5
2-115	ZS722125	Screw, pan head w/spring washer M2.6x6 CS-705D	Z4-5063	9
2-116	ZS701313	Screw, pan head 2.6x6, w/s. washer		3
2-117x	ZS722136	Screw, binding head M2.6x14 CS-705D	Z4-5735	1
2-118	ZS323728	Screw, binding head 3x5		4
2-119	ZS722147	Tapping Screw (pan) M2.6x6 CS-705D	Z4-5035	1
2-120	ZS722158	Screw, pan head w/spring washer M2x6 CS-705D	Z4-5078	1
2-121	ZS722160	Brassiere Screw M2x6 CS-705D	Z4-5539	1
2-122x	ZW722171	Washer (Lumilar) M1.8x3x0.2 CS-705D	Z4-5194	4
2-123x	ZW722182	Flat Washer M4x0.8 CS-705D	Z4-5114	1
2-124	ZW722193	Flat Washer M2.6x0.5 CS-705D	Z4-5111	3
2-125x	ZW722204	Washer (Teflon) CS-705D	Z4-5117	2
2-126	ZW722215	Flat Washer M2.5x0.25 CS-705D	Z4-5128	2
2-127	ZW270101	'E' Ring 3M	6-1-9	4
2-128	ZW270112	'E' Ring 3.2	6-1-9	1
2-129	ZW623283	'E' Ring 4M	6-1-13	1
2-130	ZW723071	Washer (Polyslider) M2.1x0.25 CS-707D		2
2-131	ML723082	FF Lever Comp. CS-707D	TA4-13659	1
2-132	TC723093	Reflector CS-707D	T4-11809	1
2-133	TC723104	Stopper CS-707D	T4-13695	1
2-134	MC720360	Counter CS-707D	T4-13347	1
2-135	ZG723115	Hook Lever Spring CS-707D	T4-13653	1

NOTE: 1) As a general rule the chassis and frame, etc. are not ordinarily supplied as service parts. However, because the reel table shaft and mechanical frame of this model is a single structure, an exception is being made and this is being listed as a service part.

2) The Erase Head 168-36 Parts No.HE721056 and WY-241Z Parts No.HE700468 are completely interchangeable.

CAUTION: Because two different types of heads are being used in this model, when placing your parts order, be sure to compare the illustration with the actual head to confirm that you place your order for the correct type.

Ref. No.8 type is P4-303
Ref. No.9 type is HN-424549

Because, as can be seen by observing the illustrations, the installation plate of these 2 heads differ, the head structures are not interchangeable.
Of the units produced to data 25,527 machines employ P4-303. All units manufactured here-after will employ HN-42549. Further, because P4-303 is also employed in other models (CS-34D, 30D, 33D etc) which you may have in stock, we recommend that you use HN-424549 head when placing your service parts order for these models.

3. P.C BOARDS

(1) MAIN P.C BOARD (T2-8234) BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
(1)-1	BA723126	Main P.C Board Comp. T2-8234	TA2-8231	1
(1)-2	EI605013	IC NE545B	45-8-117	2
(1)-3	ET722237	Transistor 2SC1327(S,T) CS-705D		4
(1)-4	ET722248	Transistor 2SC644(S,T) CS-705D		2
(1)-5	ET722250	Transistor 2SC828(R,S) CS-705D		12
(1)-6	ET722261	Transistor 2SB22(Blue) CS-750D		1
(1)-7	ED705047	Germanium Diode 1S188AM	30600262	14
(1)-8	ES722272	Slide SW. (12C 2C) 122014 CS-705D	T4-8859	1
(1)-9	EJ723137	Mic. Jack LJ190-1-3	T4-18061	2
(1)-10	EC420344	Ferri Inductor FL7H 4.7 MH(J)	23-1-3	2
(1)-11	EO492726	Ferri Inductor FL11H 22 MH(J)	23-1-5	2
(1)-12	EO722305	OSC. Coil 0030 CS-705D	T4-8413	1
(1)-13	EV572422	Semi-fixed/Vol. V8K1-1 20 kB	36-10-267	2
(1)-14	EV475470	Semi-fixed/Vol. V8K1-1 10 kB	36-10-267	4
(1)-15	EV536117	Semi-fixed/Vol. V8K1-1 200 kB	36-10-267	2
(1)-16	EC513977	Styrol/C. 150PF(J) 50WV (Vert. Type)	24-11-3	2
(1)-17	EC663715	Styrol/C. 820PF(J) 50WV (Vert. Type)	24-11-11	1
(1)-18	EO723148	Ferri Inductor 6.8MH	T4-18102	2
(1)-19	EI723150	Low Pass Filter VSL-200-15E	T4-18062	2
(1)-20	TC723161	Heat-sink For Transistor CS-707D	T4-7570	1
(1)-21	EC723172	Styrol/C. 680PF(J) 125V		1

(2) POWER SUPPLY P.C BOARD (T3-8220) BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
(2)-1	BA720461	Power Supply P.C Board Comp. (T3-8220) (UT, JPN,KMA,CSA,U/L) CS-707D	TA3-8260	1
(2)-2	BA720472	Power Supply P.C Board Comp. (T3-8220) (CEE, BEAB) CS-707D	TA3-8261	1
(2)-3	ET722362	Transistor 2SC1226(Q,R) CS-705D		1
(2)-4	ET722373	Transistor 2SA699(Q,R) CS-705D		1
(2)-5	ET234933	Transistor 2SC828(R)	45-1-23	2
(2)-6	ET356984	Transistor 2SA564(R)	45-1-44	1
(2)-7	ED511907	Silicon Diode 1N4002	45-2-51	8
(2)-8	ED722384	Diode TD960016-1 CS-705D		1
(2)-9	ED722395	Zener Diode WZ-177 CS-705D		1
(2)-10	EJ722406	Fuse Holder YSH401T 30x6 CS-705D	T4-8443	4
(2)-11	EJ722417	Fuse Holder YSH403T 20x5 (BS)	T4-8444	4
(2)-12	EJ722428	Fuse (L=30) 1A 250V (JPN) CS-705D	T4-18050	2
(2)-13	EJ722430	Fuse 1 AT 250V (BS) CS-705D	T4-18051	2
(2)-14	EJ722441	Fuse (L=30) 1A 125V (UL,CSA) CS-705D	T4-18052	2
(2)-15	EC722452	Aluminum Elect./C. (ECE-A) 33/16±20%		1
(2)-16	EF723205	Fuse (JPN) (L=30) #B 800 mA 250V	T4-18053	1
(2)-17	EF723216	Fuse (BS Type) 250 mA 250V	T4-18054	1

(3) DIN, PIN P.C BOARD (T4-18068) BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
(3)-1	BA720415	Din, Pin P.C Board Comp. (T4-18068)	TA4-18067	1

(4) MUTE P.C BOARD (T4-8938) BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
(4)-1	BA723240	Mute P.C Board Comp. (T4-8938)	TA4-18340	1
(4)-2	ES723238	Slide SW. (2C 4C) SST-42HB	T4-7525	1

(5) LAMP P.C BOARD (T4-8943) BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
(5)-1	BA722518	Lamp P.C Board Comp. (A) (T4-8943)	TA4-8942	1
(5)-2	EA723251	Lamp P.C Board (A) CS-707D	T4-8943	1
(5)-3	EL703697	Lamp (Fuse Type) BQ141-32111A 12V 50 mA CS-705D	T4-8946	1

(6) LED P.C BOARD (T4-18074) BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
(6)-1	BA720450	LED P.C Board Comp. (T4-18074)	TA4-18073	1
(6)-2	ED722564	LED TLR-102 CS-705D		1
(6)-3	ED722575	LED TLG-102 CS-705D		1

(7) PEAK P.C BOARD (T4-8956) BLOCK

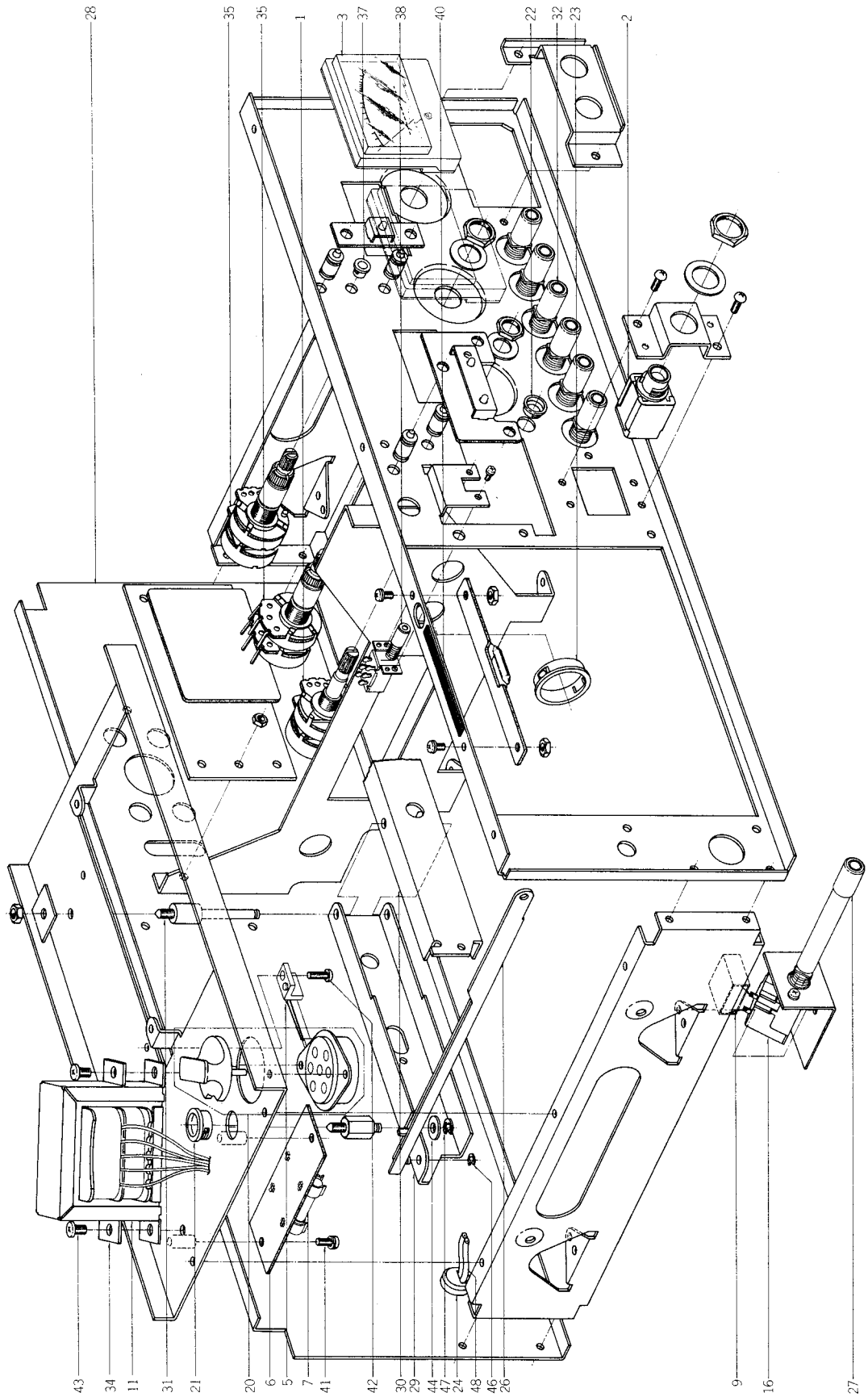
Ref. No.	Parts No.	Description	Schematic No.	Q'ty
(7)-1	BA722586	Peak P.C Board Comp. (T4-8956)	TA4-8955	1
(7)-2	ED722564	LED TLR-102 CS-705D		1

(8) SW. P.C BOARD (T4-18059) BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
(8)-1	BA723183	SW. P.C Board Comp. (T4-18059)	TA4-18063	1
(8)-2	ES723194	Push SW. (6 throw) SUE64E03	T4-18066	1

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

4. ILLUSTRATION OF AMP CHASSIS BLOCK

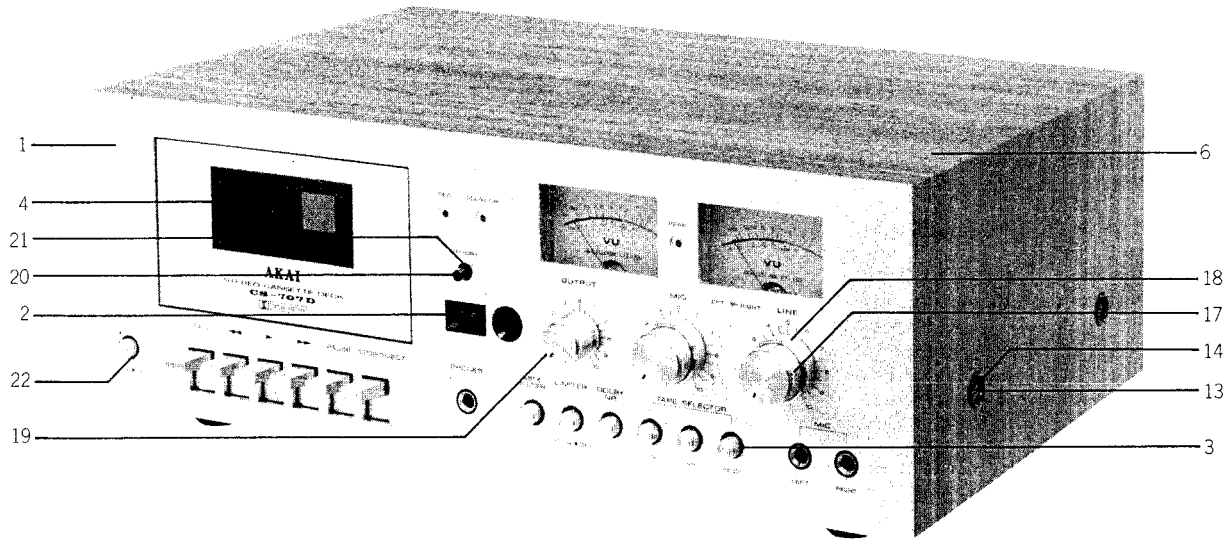


4) AMP CHASSIS BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
4-1	EV723262	Single axial 2 throw Vol. 20 kA	T4-18078	1
4-2	EV723273	Head Phone Jack LJ249-1-2	T4-8959	1
4-3	EM720382	VU Meter CS-707D	T4-18079	1
4-4x	EM720371	VU Meter CS-707D (JPN)	T4-18236	2
4-5	ES722621	Leaf SW. 4-6776-D CS-705D	T4-8964	1
4-6	EZ722632	AC Junction Board A CS-705D	T4-8965	1
4-7	EF575932	Fuse 0.8A 250V	39-1-50	1
4-8x	EF722643	Fuse 250MAT 250V CS-705D (BS)	T4-18054	1
4-9	ER226776	Spark Quencher 0.033μ+120 ohms 500WV	41-1-29	1
4-10x	ER722654	Spark Quencher C DP6600YM103P CS-705D	T4-8967	1
4-11	BT703978	Power Trans. PT-269EX CS-705D	T4-8969	1
4-12x	BT703708	Power Trans. PT-269JA CS-705D	T4-8968	1
4-13x	BT706487	Power Trans. PT-269UL CS-705D	T4-8970	1
4-14x	BT706937	Power Trans. PT-269BS CS-705D	T4-8971	1
4-15x	BT707040	Power Trans. PT-269SK CS-705D	T4-8972	1
4-16	ES701458	Power SW. SDG-1P CS-705D (U/T, JPN)	T4-8978	1
4-17x	ES702270	Power SW. (U/L) CS-705D	T4-8979	1
4-18x	ES702371	Power SW. SD-G-5P (SEMKO) CS-705D	T4-8980	1
4-19x	ES701987	Power SW. (CSA) CS-705D	T4-8981	1
4-20	EJ722755	Volt Selector 1-02-0035-00 CS-705D	T4-8982	1
4-21	EZ722766	Mini. Bushing B-500, 375-062 CS-705D	T4-8983	1
4-22	EZ722777	Mini. Bushing CS-705D	T4-8917	1
4-23	EZ722788	Mini. Bushing CS-705D	T4-18138	1
4-24	EZ722790	Cord Bushing 4N-4 CS-705D	T4-10595	1
4-25x	EZ722801	Snap Bushing SB-562-7 CS-705D	T4-18045	1
4-26	BL722812	REC Connecting Lever Comp. CS-705D	TA4-13192	1
4-27	BS722823	Power SW. Button Comp. CS-705D	TA4-13164	1
4-28	SP723341	Rear Panel CS-707D	T2-1432	1
4-29	ML722845	REC Operation Lever A CS-705D	T4-13153	1
4-30	ML722856	REC Operation Lever B CS-705D	T4-13154	1
4-31	MS722867	REC Operation Lever Shaft CS-705D	T4-13172	1
4-32	SK634410	Push Button Knob J	91-5051	5
4-33x	ZG722878	Spring CS-705D	T4-13197	1
4-34	MZ722880	Trans. Stay CS-705D	T4-13088	2
4-35	EV720404	Vol. 20 kA CS-707D	T4-18077	2
4-36x	EJ723306	Mini. Bushing CS-705D	T4-8917	1
4-37	EJ723317	Mini. Bushing M6.4 B-312-250	T4-18044	1
4-38	ES723328	Push SW. SPJ101	T4-10388	1
4-39x	TC723330	Cushion (VU Meter) CS-707D	T4-5232	4
4-40	SZ723352	Shadow Sheet CS-707D	T4-13502	1

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
4-41	ZS608321	Screw, pan head 3x6, w/washer		16
4-42	ZS553994	Tapping Screw #1 3x8 (Round)		33
4-43	ZS722891	Tap-Tite Screw (pan) M3x0.5x8 CS-705D	Z4-5597	2
4-44	ZW722902	Washer D3.3x14 CS-705D	Z4-5832	1
4-45x	ZW358018	'E' Ring 2M	6-1-9	1
4-46	ZW410051	'E' Ring 2.5	6-1-9	1
4-47	ZW270101	'E' Ring 3M	6-1-9	1
4-48	EW540123	AC Cord (CUL) 2.5M	26-3-20	1
4-49x	EW557640	AC Cord (J) 2.5M	26-3-32	1
4-50x	EW466784	AC Cord (3 core)	26-3-23	1
4-51x	EW604585	AC Cord (BSI)	26-3-37	1
4-52x	EW604618	AC Cord (EC) VM-0064	26-3-34	1
4-53x	EW516600	AC Cord (CEE) VM-0065	26-3-28	1

5. PHOTO OF FINAL ASSEMBLY BLOCK



5) FINAL ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
5-1	BD720325	Front Panel Block Comp. CS-707D	TA4-1428	1
5-2	SE630156	Counter Escutcheon	CJ-6007	1
5-3	SE613888	Button Escutcheon A	CW-6021	6
5-4	BD723374	Lid Panel Block Comp. CS-707D	TA3-18340	1
5-5x	TC722935	Lid Supporting Plate CS-705D	T4-13104	2
5-6	BC702775	Cabinet CS-705D	T2-1370	1
5-7x	SP722957	Bottom Plate CS-705D	T2-1372	1
5-8x	SZ645243	Circular Foot A	CA-6014	4
5-9x	ZS722968	Tap-Tite Screw (bind) w/washer M3x0.5x8 CS-705D	Z4-5761	4
5-10x	ZW722970	Spacer 0.8t CS-705D	T4-12542	3
5-11x	ZS722981	Screw, (bind) (BLK) M3x0.5x8 CS-705D	Z4-5570	2
5-12x	ZS553994	Tapping Screw #1 3x8 (Round)		8
5-13	ZS722992	Tap-Tite Screw, (bind) M4x12 CS-705D	Z4-5733	4
5-14	ZW548010	Spot Facing Washer	MU-6028	4
5-15x	ZW590207	Nut M3 #3		6
5-16x	ZW723003	Washer (PC) D3x6x0.25 CS-705D	Z4-5124	10
5-17	SK631078	Double Knob (Upper)	MY-6206	2
5-18	SK631067	Double Knob (Lower)	MY-6207	2
5-19	SK219497	Single Knob	CQ-6009	1
5-20	SK723363	Memory Button CS-707D	CW-5007	1
5-21	SE631585	Button Escutcheon D	CG-6814	1
5-22	SE723385	Power SW. Button Escutcheon CS-707D	T4-13492	1

AKAI

No. 1

PRELIMINARY SERVICE MANUAL

MODEL CS-707D

DATE August 1976

Technical Data

1) Track System	4 track 2 channel stereo system
2) Tape Speed	1-7/8 ips
3) Wow and Flutter	Less than 0.08% WRMS (NAB)
	Less than 0.24% (DIN 45507)
4) Frequency Response	35 to 14,000 Hz $\pm$3 dB using LN tape
	35 to 15,000 Hz $\pm$3 dB using LH tape
	35 to 16,000 Hz $\pm$3 dB using Fe-Cr tape
5) Distortion	Less than 1.5% (1,000 Hz "0" VU)
6) Signal to Noise Ratio	Better than 50 dB (measured via tape with peak recording level of +3 VU)
	Dolby Switch ON: Improves up to 10 dB above 5 kHz
7) Erase Ratio	Better than 70 dB
8) Bias Frequency	85 kHz
9) Heads	(2): One Recording/Playback Head, One Erase Head
10) Motor	(1): Electronically Speed Controlled DC Motor
11) FF and RWD Time	80 sec using a C-60 cassette tape
12) Output Jacks	Line(2): 410 mV("0" VU)/Required load impedance: more than 20 k ohms
	Phone(1): 50 mV/8 ohms
13) Input Jacks	Microphone(2): 0.3 mV/Required microphone impedance: 600 ohms
	Line(2): 70 mV/100 k ohms
14) DIN Jack	Input 0.3 mV/Output 410 mV
15) Semiconductors	Transistors 24, Diodes: 25, ICs 2
16) Power Requirements	CSA,UL and LA Models: 120V, 60 Hz only
	CEE Models: 220V, 50 Hz only
	Other Models: 110/120/220/240V, 50/60 Hz (Switchable)
17) Dimensions	440(W)x165(H)x304(D)mm, (17.3"x6.4"x12.0")
18) Weight	7.0 kg (15.4 lbs)

Noise Reduction circuit made under License from Dolby Laboratories Inc.

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AKAI ELECTRIC CO., LTD.
(P.O.BOX 21, Tokyo International Airport, Japan)
12-14, 2-chome, Higashi-Kojiya, Ohta-ku, Tokyo, Japan
Printed in Japan

1. Principal Parts Location

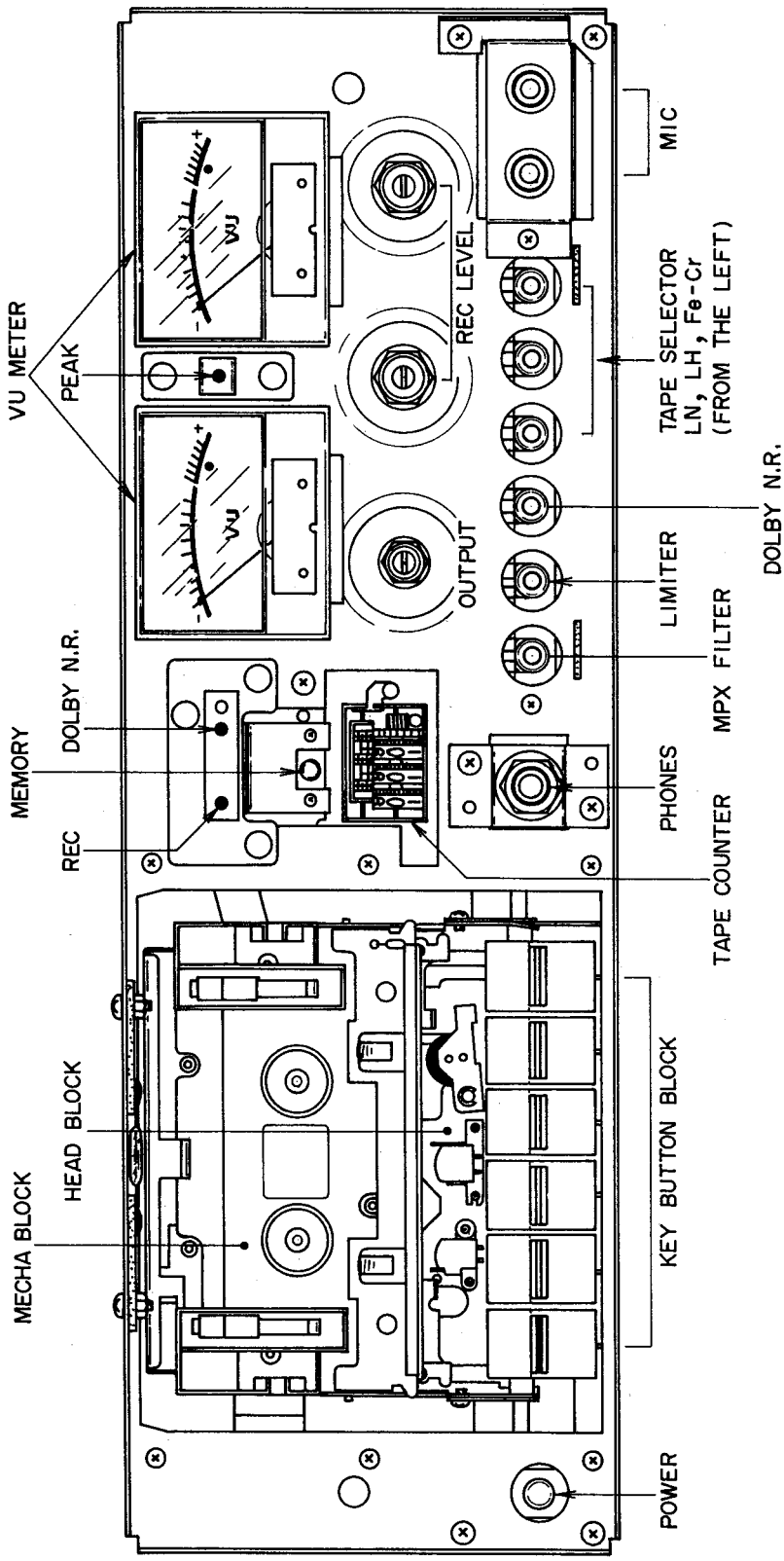

Fig. 1 Front View

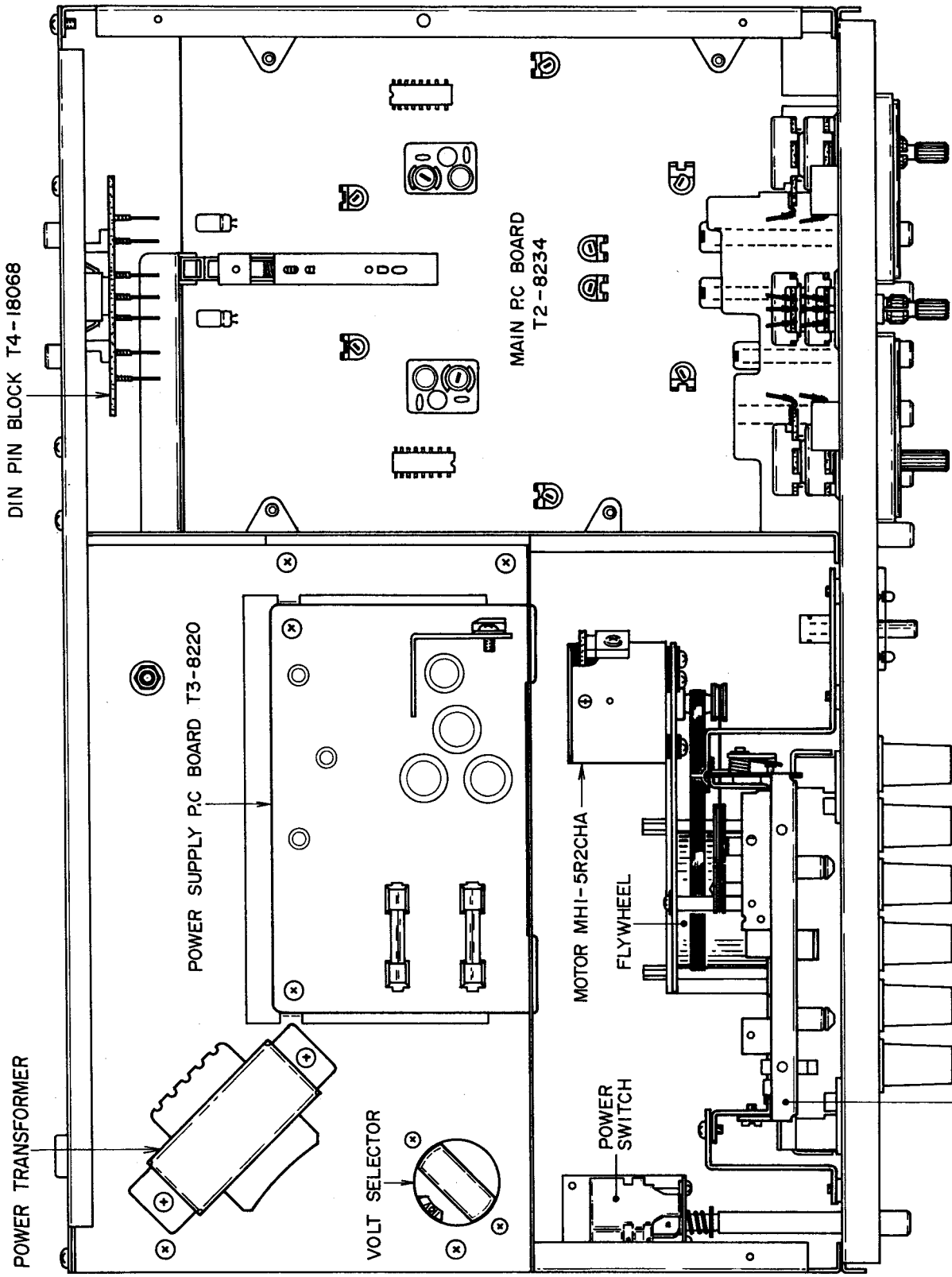

Fig. 2 Top View

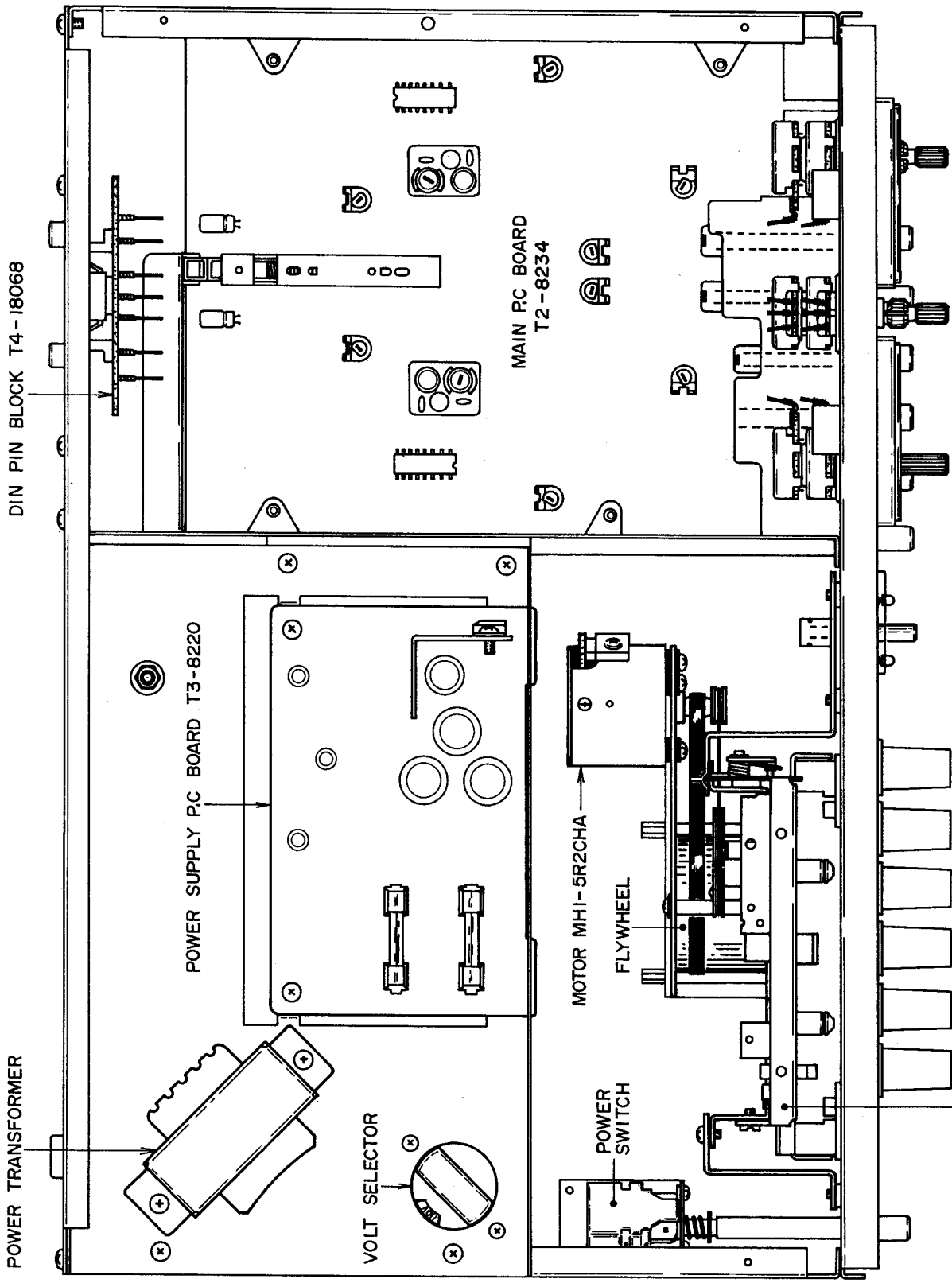

Fig. 2 Top View

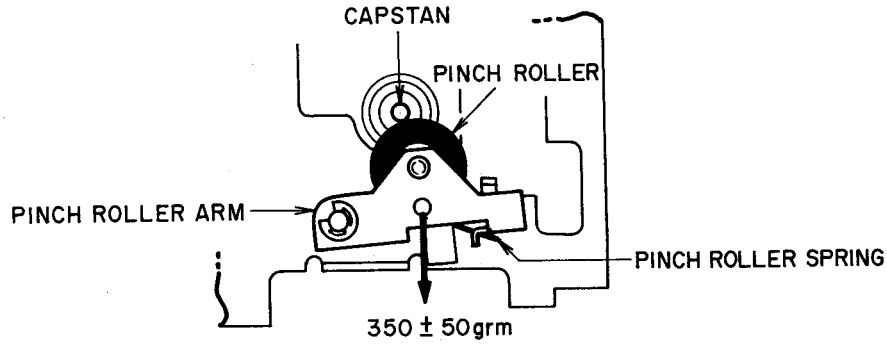

Fig. 4 Pinch roller pressure measurement

2) Pinch Roller Pressure Measurement (Refer to Fig. 4)

At the playback mode, pull back the pinch roller with a spring gauge until the pinch roller separates from the capstan by about 1mm to 2mm and then gently return.

Take a reading of the spring gauge indication at the moment the pinch roller touches the capstan and begins to rotate.

Specified Pinch Roller Pressure: 350 ± 50 grm

In case specified pressure cannot be attained, replace the pinch roller spring.

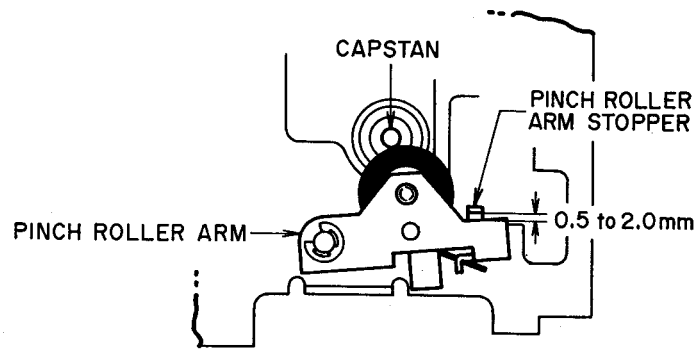

Fig. 5 Gap between pinch roller arm and stopper

3) Adjustment of Gap between the Pinch Roller Arm and Stopper (Refer to Fig. 5)

Adjust by bending the pinch roller stopper so that a 0.5 to 2.0 mm gap is definitely obtained between the pinch roller arm and the pinch roller arm stopper when the machine is set to play mode.

4) Take-up Torque at various modes

Playback mode:	40 to 65 grm-cm
Fast Forward mode:	70 to 130 grm-cm
Rewind mode:	70 to 130 grm-cm

In case specified take-up torque cannot be attained,

Playback mode:	replace whole tension arm block comp.
Fast Forward or Rewind mode:	replace idler A comp.

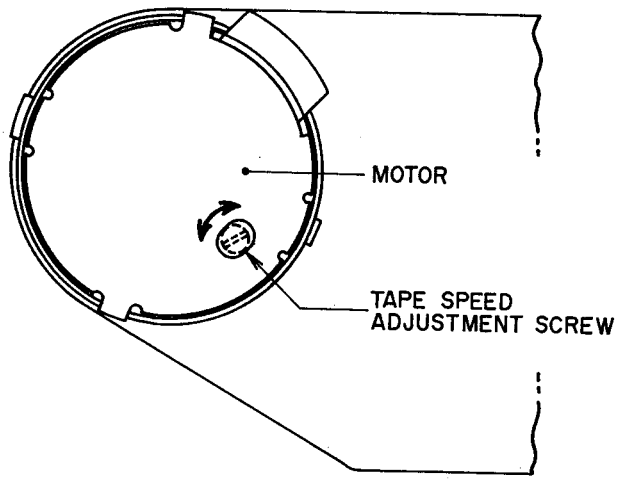

Fig. 6 Tape speed adjustment

5) Tape Speed Adjustment (Refer to Fig. 6)

Playback a 1,000 Hz pre-recorded test tape and adjust tape speed adjustment screw to obtain a tape speed of 1,000 Hz $\pm$1%.

3. Head Adjustment

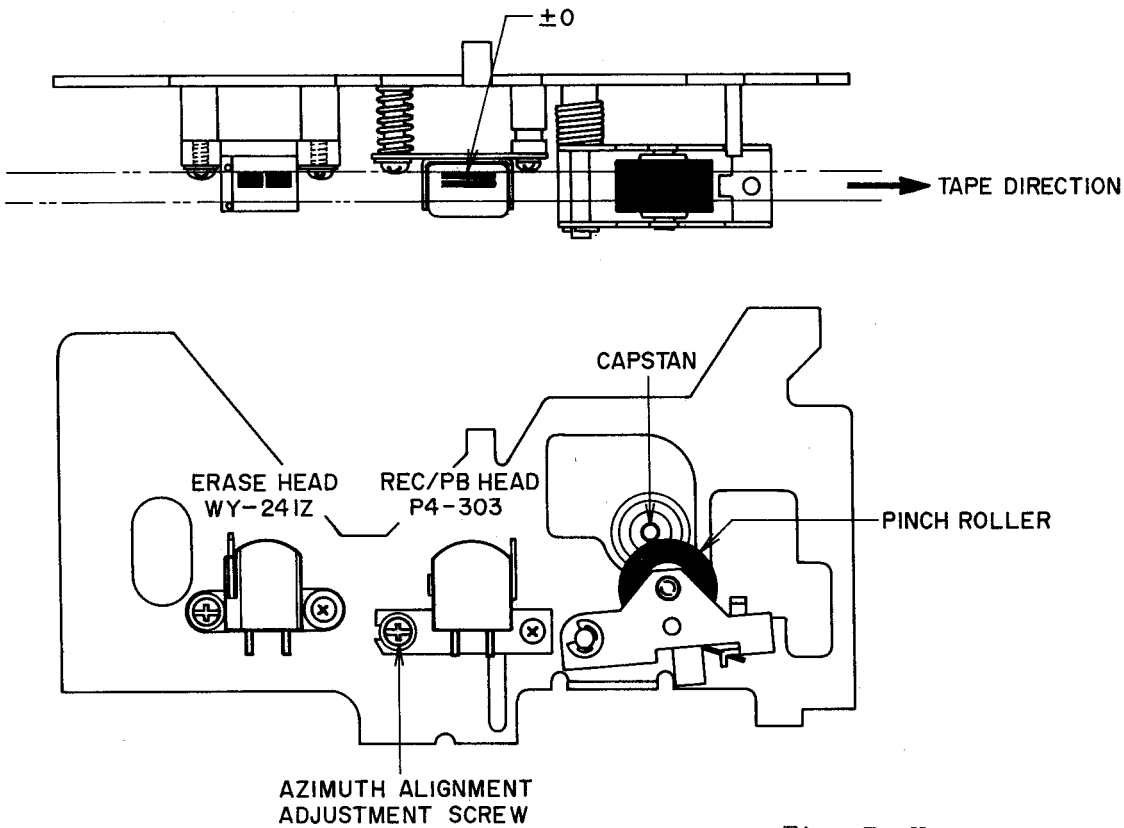

Fig. 7 Head adjustment

1) Recording/Playback Head Azimuth Alignment Adjustment

Playback a 10 kHz pre-recorded cassette azimuth alignment test tape and adjust recording/playback head azimuth alignment adjustment screw to obtain maximum output and an in-phase condition.

2) Head Adjustment Precautions

* Be sure to clean the heads prior to adjustment.
* As the use of a magnetized driver or other magnetized tools in the vicinity of the heads will cause the heads to become magnetized, use only demagnetized tools for head adjustment.

4. Amplifier Adjustments

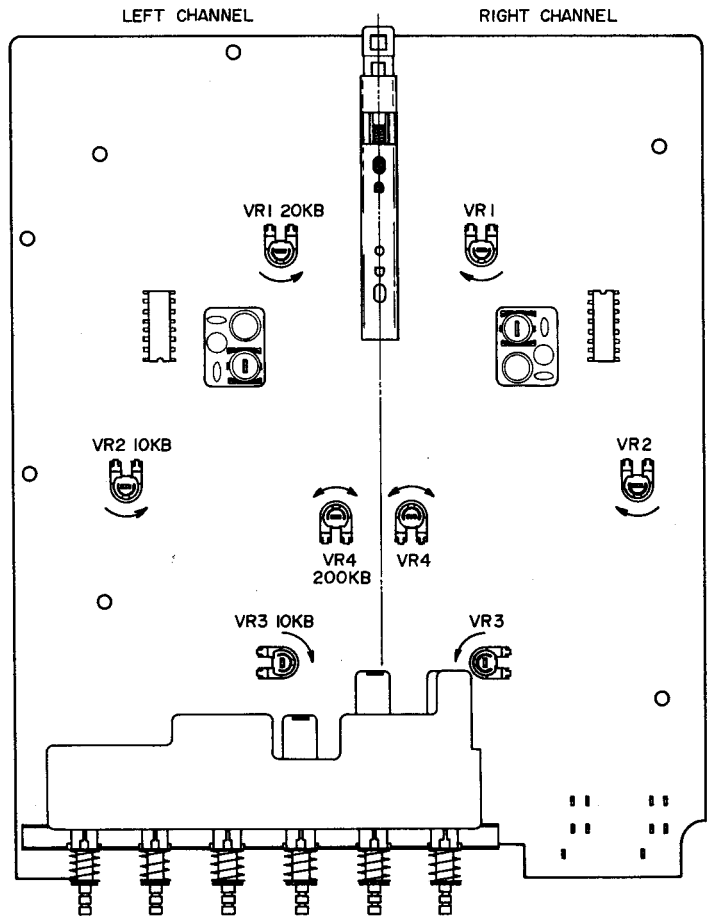

Fig. 8 Main P.C Board T2-8234

Step	Adjustment Item	Test Tape, Supply Signal	Mode	Adjustment Point	Result	Remarks
1	Playback Level	333 Hz, 0 VU test tape	Play	VR1, 20 kB	-5.5 ±0.5 dBm (410 mV)	
2	VU Meter Sensitivity	333 Hz, 0 VU test tape	Play	VR2, 10 kB	0 VU indication	
3	Recording Level	LN Blank Tape 1,000 Hz 0 VU recording	Rec/ Play	VR3, 10 kB	-5.5 ±0.5 dBm (410 mV)	Refer to note 6)
4	Frequency Response	LN Blank Tape 1,000 Hz, 10,000 Hz -20 VU recording	Rec/ Play	VR4, 200 kB	1,000 Hz to 10,000 Hz flat response	Refer to note 6)

Chart-1

NOTES: 1) Set Tape Selector to Low Noise.

2) Set Dolby N.R. Switch to OFF.

3) Set Limiter Switch to OFF.

4) After Recording Level and Frequency Response Adjustments have been made with Low Noise Tape, comfirm with Chrome and Ferri-Chrome tape only.

5) Because each of these adjustments are vital to perfect Dolby N.R. circuit operation, be sure that they are carried out with as little error as possible.

6) Use the following cassette measuring tape:

Low Noise Tape: Fuji C-60LN

Chrome Tape: BASF # SM Chrome C-60

Fe-Cr Tape: SONY DUAD C-60

5. DC Resistance of Various Coils

Part	Designation	DC Resistance
Recording/Playback Head	P4-303	110 ohms
Erase Head	WY-241Z	5.5 ohms
Solenoid	P-14R	5.0 ohms

Chart-2

6. Basic Parts List

Parts Nomenclature	Parts No.	Note
Lid Panel Block Comp. TA3-1534	BD700288	Same as CS-705D
Key Board Block Comp. TA2-1388	BK700301	"
Rec/PB Head P4-303	HR589781	"
Erase Head WY-241Z T4-7514	HE700468	"
Supply/Take-up Reel Table Block Comp. TA4-7102	BR700986	"
Flywheel with Shaft. TA4-12528	BF701100	"
Capstan Belt. 62.25x5x0.4 T4-11840	MB701111	"
Wind Belt 1x56.7 T4-11841	MB701122	"
Motor Block Comp. MHI-5R2CHA T4-8918	BM701335	"
Counter Belt A T4-13166	MB701370	"
Counter Belt B T4-13167	MB701381	"
Leaf Switch H-7157 T4-12059	ES701447	"
Power Switch SDG-1P T4-8978	ES701458	" (JPN)
Power Switch T4-8981	ES701987	" (CSA,U/L)
Power Switch SPG-5P T4-8980	ES702371	" (SEMKO)
Cabinet T2-1370	BC702775	"
Power Trans. PT-269JA T4-8968	BT703708	" (JPN)
Power Trans. PT-269EX T4-8969	BT703978	" (U/T)
Power Trans. PT-269UL T4-8970	BT706487	" (U/L, CSA)
Power Trans. PT-269BS T4-8971	BT706937	" (BEAB)
Power Trans. PT-269SK T4-8972	BT707040	" (CEE)
Pilot Lamp. 12V 50 mA T4-8946	EL703697	"
Single Knob. CQ-6009	SK219497	
Push Button Knob J 91-5051	SK634410	
Double Knob (Upper) MY-6206	SK631078	
Double Knob (Lower) MY-6207	SK631067	
*Front Panel Block Comp. TA4-1428	BD720325	
*Pinch Roller Arm Block Comp. TD-269 TA4-13682	BL720336	
*Tension Arm B Block Comp. TA4-13681	BL720347	
*Idler Comp. TA4-12472	BZ720358	
*Counter T4-13346	MC720360	
*VU Meter T4-18236	EM720371	(JPN)
*VU Meter T4-18079	EM720382	
*Main P.C Board Comp. TD-273 TA2-8231	BA720393	
*Volume T4-18077 (20 KA)	EV720404	

Parts Nomenclature	Parts No.	Note
* Jack Plate Block Comp. TA4-18067	BJ720415	
* Power SW. Button Block Comp. TA4-13164	SK720426	
* Reed SW. T4-8351 (MAH-16)	ES720437	
* Plunger T4-8783 (P-14R)	EP720448	
* LED P.C Board Comp. TA4-18073	BA720450	
* Power Supply P.C Board Comp. TA3-8260	BA720461	(CSA, U/L)
* Power Supply P.C Board Comp. TA3-8261	BA720472	(CEE, BEAB)
* Power Supply P.C Board Comp. TA3-8219	BA720483	(JPN, KMA, U/T)

NOTE: An asterisk mark indicates parts are newly employd for model CS-707D.